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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:10 ; Search time 57.94 seconds
(without alignments)
7.107 Million cell updates/sec

Title: US-09-266-543-4

Perfect score: 120
Sequence: 1 CECRPRKDRTPKPKCDKPRR 20

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA:*

1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PTCUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/Backfilltest.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	length	ID	Description
1	120	100.0	146	4	US-08-586-039B-33
2	104	86.7	121	6	Sequence 33, Appl Patent No. 5194596
3	104	86.7	121	6	Patent No. 5219739
4	104	86.7	147	3	US-08-807-992B-1
5	101	84.2	120	6	Sequence 1, Appl Patent No. 5194596
6	101	84.2	120	6	Patent No. 5219739
7	85	70.8	189	1	US-08-469-427A-15
8	85	70.8	190	2	Sequence 15, Appl Patent No. 5194596
9	85	70.8	190	2	Sequence 20, Appl Patent No. 5194596
10	83	69.2	214	4	US-08-586-039B-31
11	82	68.3	145	3	Sequence 31, Appl Patent No. 5194596
12	80	58.3	149	1	US-08-784-551C-2
13	80	58.3	149	1	Sequence 2, Appl Patent No. 5194596
14	80	58.3	149	2	Sequence 14, Appl Patent No. 5194596
15	70	58.3	149	2	Sequence 21, Appl Patent No. 5194596
16	70	58.3	149	2	Sequence 21, Appl Patent No. 5194596
17	70	58.3	149	2	Sequence 21, Appl Patent No. 5194596
18	69	57.5	165	6	US-08-567-200A-2
19	69	57.5	165	6	Sequence 2, Appl Patent No. 5194596
20	69	57.5	191	3	Sequence 2, Appl Patent No. 5194596
21	69	57.5	191	3	Sequence 2, Appl Patent No. 5194596
22	69	57.5	191	4	US-08-691-794-2
23	69	57.5	191	4	Sequence 56, Appl Patent No. 5194596
24	67	55.8	14	3	US-08-807-992B-9
25	67	55.8	14	3	Sequence 9, Appl Patent No. 5194596
26	67	55.8	18	1	Sequence 2, Appl Patent No. 5194596
27	67	55.8	18	3	US-08-464-956-2
					Sequence 6, Appl Patent No. 5194596

28	67	55.8	18	3	US-08-807-992B-15	Sequence 15, Appl Patent No. 5194596
29	67	55.8	18	3	US-08-807-992B-26	Sequence 26, Appl Patent No. 5194596
30	67	55.8	214	6	US-08-807-992B-3	Sequence 3, Appl Patent No. 5194596
31	67	55.8	215	4	US-08-586-039B-49	Sequence 49, Appl Patent No. 5194596
32	67	55.8	215	6	US-08-807-992B-4	Sequence 4, Appl Patent No. 5194596
33	67	55.8	215	6	US-08-807-992B-12	Sequence 12, Appl Patent No. 5194596
34	67	55.8	215	6	US-08-807-992B-19	Sequence 19, Appl Patent No. 5194596
35	67	55.8	231	5	US-08-807-992B-10	Sequence 10, Appl Patent No. 5194596
36	67	55.8	232	2	US-08-807-992B-7	Sequence 7, Appl Patent No. 5194596
37	67	55.8	232	2	US-08-807-992B-9	Sequence 9, Appl Patent No. 5194596
38	67	55.8	232	3	US-08-807-992B-4	Sequence 4, Appl Patent No. 5194596
39	67	55.8	232	3	US-08-807-992B-7	Sequence 7, Appl Patent No. 5194596
40	66	55.0	164	6	US-08-807-992B-17	Sequence 17, Appl Patent No. 5194596
41	66	55.0	164	6	US-08-807-992B-18	Sequence 18, Appl Patent No. 5194596
42	66	55.0	164	6	US-08-807-992B-19	Sequence 19, Appl Patent No. 5194596
43	66	55.0	190	6	US-08-807-992B-12	Sequence 12, Appl Patent No. 5194596
44	62	51.7	14	3	US-08-807-992B-12	Sequence 12, Appl Patent No. 5194596
45	60	50.0	18	3	US-08-807-992B-19	Sequence 19, Appl Patent No. 5194596

ALIGNMENTS

RESULT 1
US-08-586-039B-33
Sequence 33, Application US/08586039B
Patent No. 6140073
GENERAL INFORMATION:
APPLICANT: Thomas J. Kennedy A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-4720
TELEFAX: (908) 594-3905
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-33
Query Match 100.0%; Score 120; DB 4; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.8e-09;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CECRKKDRTKPEKCDKPRR 20

Db 127 CECRKKDRTKPEKCDKPRR 146

RESULT 2
5194596-19
; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES, JOHN
; C. MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO:19:
; LENGTH: 121

Query Match 86.7%; Score 104; DB 6; Length 121;
Best Local Similarity 85.0%; Pred. No. 2.1e-07;
Matches 17; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 CECRKKDRTKPEKCDKPRR 20
Db 102 CECRKKDRAOEKCDKPRR 121

RESULT 3
5219739-20
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVEGF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO:20:
; LENGTH: 121

Query Match 86.7%; Score 104; DB 6; Length 121;
Best Local Similarity 85.0%; Pred. No. 2.1e-07;
Matches 17; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 CECRKKDRTKPEKCDKPRR 20
Db 102 CECRKKDRAOEKCDKPRR 121

RESULT 4
US-08-807-992B-1
; Sequence 1, Application US/08807992B
; Patent No. 6022541
; GENERAL INFORMATION:
; APPLICANT: Senger, Donald R
; APPLICANT: Dvorak, Harold F

;; TITLE OF INVENTION: Immunological preparation for concurrent
;; specific binding to spatially exposed regions of vascular
;; permeability factor bound in-vivo to a tumor associated blo
;; TITLE OF INVENTION: vessel
;; NUMBER OF SEQUENCES: 31
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: David Prashker, Esq.
;; STREET: P.O. Box 5387
;; CITY: Magnolia
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 01930

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 147 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-1

Query Match 86.7%; Score 104; DB 3; Length 147;
Best Local Similarity 85.0%; Pred. No. 2.5e-07;
Matches 17; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 CECRKKDRTKPEKCDKPRR 20
Db 128 CECRKKDRAOEKCDKPRR 147

RESULT 5
5194596-9
; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES, JOHN
; C. MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO:9:
; LENGTH: 120

Query Match 84.2%; Score 101; DB 6; Length 120;
Best Local Similarity 80.0%; Pred. No. 5.2e-07;
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 1 CECRKKDRTKPEKCDKPRR 20
Db 101 CECRKKDRAOEKCDKPRR 120

RESULT 6
5219739-9
PATENT NO. 5219739
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGCF120 AND
HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGCF120 AND HVEGF121
NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 9
LENGTH: 120
5219739-9

Query Match 84.2%; Score 101; DB 6; Length 120;
Best Local Similarity 80.0%; Pred. No. 5,2e-07;
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CECRPKDKRTKPEKCDKPRR 20
|||||||:|||||||
DB 101 CECRPKDKRQEKCDKPRR 120

RESULT 7
US-08-469-427A-15
Sequence 15, Application US/08469427A
Patent No. 5607918
GENERAL INFORMATION:
APPLICANT: Eriksson, Ulf
APPLICANT: Olofsson, Birgitta
APPLICANT: Allitalo, Kari
APPLICANT: Pajusola, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
STATE: DC
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41979CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 189 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-427A-15

Query Match 70.8%; Score 85; DB 1; Length 189;
Best Local Similarity 29.7%; Pred. No. 0.00011;
Matches 19; Conservative 1; Mismatches 0; Indels 44; Gaps 1;

QY 1 CECRPKDKRTKPE-----KCD 16
|||||||:|||||||
DB 126 CECRPKDKRTKPEKCDKPRR 185

QY 17 KPRR 20
|||||
DB 186 KPRR 189

RESULT 8
US-08-569-063C-20
Sequence 20, Application US/08569063C
Patent No. 5928939
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALLITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979CP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-569-063C-20

Query Match 70.8%; Score 85; DB 2; Length 190;
Best Local Similarity 29.7%; Pred. No. 0.00011;
Matches 19; Conservative 1; Mismatches 0; Indels 44; Gaps 1;

QY 1 CECRPKDKRTKPE-----KCD 16

Db 127 CECRPRKDRTPENHCERKRLHFVQDPQTKCCKNTDSRCARQLNERTCQCD 186

QY 17 KPRR 20
187 KPRR 190

RESULT 9
US-08-586-039B-31
Sequence 31, Application US/08586039B
Patent No. 6140073

GENERAL INFORMATION:

APPLICANT: Bayne, Marvin L.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065-0900

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA

TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720

INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-586-039B-31

Query Match 70.8%; Score 85; DB 4; Length 190;
Best Local Similarity 29.7%; Pred. No. 0.00011;
Matches 19; Conservative 1; Mismatches 0; Indels 44; Gaps 1;

QY 1 CECRPRKDRTPENHCERKRLHFVQDPQTKCCKNTDSRCARQLNERTCQCD 186
Db 127 CECRPRKDRTPENHCERKRLHFVQDPQTKCCKNTDSRCARQLNERTCQCD 186
QY 17 KPRR 20
187 KPRR 190

RESULT 10
US-08-586-039B-35
Sequence 35, Application US/08586039B
Patent No. 6140073

GENERAL INFORMATION:
APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065-0900

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA

TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720

INFORMATION FOR SEQ ID NO: 35:

SEQUENCE CHARACTERISTICS:
LENGTH: 214 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-35

Query Match 69.2%; Score 83; DB 4; Length 214;
Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CECRPRKDRTPENHCERKRLHFVQDPQTKCCKNTDSRCARQLNERTCQCD 140
Db 127 CECRPRKDRTPENHCERKRLHFVQDPQTKCCKNTDSRCARQLNERTCQCD 140

RESULT 11
US-08-784-551C-2
Sequence 2, Application US/08784551C
Patent No. 6013780

GENERAL INFORMATION:

APPLICANT: Gera Neufeld
APPLICANT: Eli Keshet
APPLICANT: Israel Vlodavsky
TITLE OF INVENTION: ANGIOGENIC FACTOR AND USE THEREOF
TITLE OF INVENTION: IN TREATING CARDIOVASCULAR DISEASE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Blank, Rome, Comisky & McCauley LLP
STREET: 900 17th Street, N.W.
CITY: Washington, D.C.
STATE: N/A
COUNTRY: U.S.A.
ZIP: 20006

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/784,551C
FILING DATE: January 21, 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cohen, Herbert
REGISTRATION NUMBER: 25,109
REFERENCE/DOCKET NUMBER: 0274.005/P003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 463-7700
TELEFAX: (202) 463-6915
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-784-551C-2

Query Match 68.3%; Score 82; DB 3; Length 145;
Best Local Similarity 38.6%; Pred. No. 0.00022;
Matches 17; Conservative 1; Mismatches 2; Indels 24; Gaps 1;

QY 1 CECRPRKDKTRKPKR-----CDKPRR 20
|||||:::|||||

Db 102 CECRPRKDKRQEKRSVKGKGGKRRKRRKRSYKSMVCDKPRR 145

RESULT 12
US-08-469-427A-14
Sequence 14, Application US/08469427A
Patent No. 5607918
GENERAL INFORMATION:
APPLICANT: Eriksson, Ulf
APPLICANT: Eriksson, Birgitte
APPLICANT: Alitalo, Kari
APPLICANT: Pajusola, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKee, Edwards & Lenahan
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
STATE: DC
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41979cp2

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-427A-14

Query Match 58.3%; Score 70; DB 1; Length 149;
Best Local Similarity 54.5%; Pred. No. 0.0091;
Matches 12; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

QY 1 CECRPRKDKTRKPKRCDK--PRR 20
|||||:::|||||

Db 128 CECRPLREKMKPRCGLDAYPRR 149

RESULT 13
US-08-039-297B-2
Sequence 2, Application US/08039297B
Patent No. 5919899
GENERAL INFORMATION:
APPLICANT: PERSICO, MARIA
APPLICANT: MAGNONE, DOMENICO
TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR A
TITLE OF INVENTION: HUMAN
TITLE OF INVENTION: PROTEIN WITH ANGIOGENESIS REGULATIVE PROPERTIES
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BEVERIDGE, DEGRANDI, WELLSCHER & YOUNG,
STREET: L.L.P.
STREET: 1850 M Street, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/039,297B
FILING DATE: 19-APR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT 48315-A90\
FILING DATE: 27-SEP-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wellacher, Robert G
REGISTRATION NUMBER: 20,531
REFERENCE/DOCKET NUMBER: 48573
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-659-2811
TELEFAX: 202-659-1462
TELEX: WU164470
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 149 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
US-08-039-297B-2

Query Match 58.3%; Score 70; DB 2; Length 149;
Best Local Similarity 54.5%; Pred. No. 0.0091;
Matches 12; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

Oy 1 CECRPRKDRTPKCDK--PRR 20
||||| :|||:| |||
Db 128 CECRPLREKMKPERCGDAVPRR 149

RESULT 14

US-08-569-063C-21
; Sequence 21, Application US/08569063C
; Patent No. 5928939
; GENERAL INFORMATION:
; APPLICANT: ERIKSSON, Ulf
; APPLICANT: OLOFSSON, Birgitta
; APPLICANT: ALITALO, Kari
; APPLICANT: PAJUSOLA, Kari
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, McKewen, Edwards & Lenahan, P.L.L.C.
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,063C
; FILING DATE: 06-DEC-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/469,427
; FILING DATE: 06-JUN-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/397,651
; FILING DATE: 01-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: EVANS, Joseph D
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 1064/41979CP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 149 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-569-063C-21

Query Match 58.3%; Score 70; DB 2; Length 149;
Best Local Similarity 54.5%; Pred. NO. 0.0091;
Matches 12; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

Oy 1 CECRPRKDRTPKCDK--PRR 20
||||| :|||:| |||
Db 128 CECRPLREKMKPERCGDAVPRR 149

RESULT 15
US-08-795-430-55
; Sequence 55, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)

; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,430
; FILING DATE:
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/FI96/00427
; FILING DATE: 01-AUG-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/340,011
; FILING DATE: 14-NOV-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28967/33691
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 149 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-430-55

Query Match 58.3%; Score 70; DB 4; Length 149;
Best Local Similarity 54.5%; Pred. NO. 0.0091;
Matches 12; Conservative 4; Mismatches 4; Indels 2; Gaps 1;

Oy 1 CECRPRKDRTPKCDK--PRR 20
||||| :|||:| |||
Db 128 CECRPLREKMKPERCGDAVPRR 149

Search completed: September 13, 2001, 11:57:10
Job time: 208 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:10 : Search time 57.94 Seconds
(without alignments)
7.463 Million cell updates/sec

Title: US-09-266-543-5

Perfect score: 114

Sequence: 1 APTTEGEOKSHEVIRKFMVYC 21

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	105	92.1	190	2	US-08-569-063C-20
2	101	88.6	25	3	US-08-807-992B-31
3	101	88.6	146	4	US-08-586-039B-33
4	101	88.6	190	4	US-08-586-039B-31
5	101	88.6	214	4	US-08-586-039B-35
6	89.5	78.5	189	1	US-08-469-427A-15
7	81	71.1	21	6	5194596-11
8	81	71.1	21	6	5219739-11
9	81	71.1	39	6	5332671-14
10	81	71.1	41	6	5194596-21
11	81	71.1	41	6	5219739-26
12	81	71.1	120	6	5194596-9
13	81	71.1	120	6	5219739-9
14	81	71.1	164	6	5194596-17
15	81	71.1	164	6	5219739-17
16	81	71.1	164	6	5219739-18
17	81	71.1	190	6	5332671-3
18	80	70.2	25	1	US-08-327-709-1
19	80	70.2	25	1	US-08-457-229-1
20	80	70.2	25	2	US-08-457-487-1
21	80	70.2	25	2	US-08-464-956-1
22	80	70.2	25	2	US-08-479-733A-30
23	80	70.2	25	3	US-08-350-212-1
24	80	70.2	25	3	US-08-807-992B-17
25	80	70.2	25	3	US-08-807-992B-20
26	80	70.2	25	3	US-08-479-727A-30
27	80	70.2	25	3	US-08-482-369A-30

28	80	70.2	36	6	5240848-1	Patent No. 5240848
29	72	63.2	231	1	PCT-US96-09001-10	Sequence 10, Appl
30	68	59.6	14	4	US-08-586-039B-1	Sequence 1, Appl
31	65.5	57.5	26	1	US-08-327-709-3	Sequence 3, Appl
32	65.5	57.5	26	1	US-08-327-709-4	Sequence 4, Appl
33	65.5	57.5	26	1	US-08-457-229-2	Sequence 2, Appl
34	65.5	57.5	26	2	US-08-457-487-2	Sequence 3, Appl
35	65.5	57.5	26	2	US-08-464-956-3	Sequence 3, Appl
36	65.5	57.5	26	2	US-08-464-956-4	Sequence 3, Appl
37	65.5	57.5	26	2	US-08-479-733A-31	Sequence 31, Appl
38	65.5	57.5	26	2	US-08-350-212-2	Sequence 2, Appl
39	65.5	57.5	26	3	US-08-807-992B-5	Sequence 8, Appl
40	65.5	57.5	26	3	US-08-807-992B-8	Sequence 11, Appl
41	65.5	57.5	26	3	US-08-807-992B-11	Sequence 11, Appl
42	65.5	57.5	26	3	US-08-807-992B-14	Sequence 18, Appl
43	65.5	57.5	26	3	US-08-807-992B-21	Sequence 21, Appl
44	65.5	57.5	26	3	US-08-807-992B-21	Sequence 31, Appl
45	65.5	57.5	26	3	US-08-479-727A-31	Sequence 31, Appl

ALIGNMENTS

RESULT 1
US-08-569-063C-20
Sequence 20, Application US/08569063C
Patent No. 5928939
GENERAL INFORMATION:
APPLICANT: ERIKSSON, Ulf
APPLICANT: OLOFSSON, Birgitta
APPLICANT: ALITALO, Kari
APPLICANT: PAJUSOLA, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan, P.L.L.C.
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,063C
FILING DATE: 06-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/469,427
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: EVANS, Joseph D
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 1064/41979CP3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-569-063C-20

Query Match 92.1%; Score 105; DB 2; Length 180;
Best Local Similarity 100.0%; Pred. No. 1.6e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 APTTEGEOKSHVYKFMVY 20
|||||
DB 27 APTTEGEOKSHVYKFMVY 46

RESULT 2

US-08-807-992B-31
Sequence 31, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
APPLICANT: Dvorak, Harold F
TITLE OF INVENTION: Immunological preparation for concurrent
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 25 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: N-terminal
US-08-807-992B-31

Query Match 88.6%; Score 101; DB 3; Length 25;
Best Local Similarity 90.0%; Pred. No. 7.4e-11;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 APTTEGEOKSHVYKFMVY 20
|||||
DB 1 APTTEGEOKSHVYKFMVY 20

RESULT 3
US-08-586-039B-33
Sequence 33, Application US/08586039B
Patent No. 6140073
GENERAL INFORMATION:
APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
SUBUNIT
NUMBER OF SEQUENCES: 49

CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway

STATE: New Jersey
COUNTRY: USA

ZIP: 07065-0900

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Microsoft Word 6

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B

FILING DATE: 16-JAN-1996

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/124,259

FILING DATE: 20-SEP-1993

APPLICATION NUMBER: 07/676,436

FILING DATE: 28-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Hand, J. Mark

REGISTRATION NUMBER: 36,545

REFERENCE/DOCKET NUMBER: 18361DA

TELECOMMUNICATION INFORMATION:

TELEPHONE: (908) 594-3905

TELEFAX: (908) 594-4720

INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

LENGTH: 146 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-586-039B-33

Query Match 88.6%; Score 101; DB 4; Length 146;
Best Local Similarity 90.0%; Pred. No. 5.7e-10;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 APTTEGEOKSHVYKFMVY 20
|||||
DB 27 APTTEGEOKSHVYKFMVY 46

RESULT 4

US-08-586-039B-31
Sequence 31, Application US/08586039B
Patent No. 6140073
GENERAL INFORMATION:
APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
SUBUNIT
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-31

Query Match 88.6%; Score 101; DB 4; Length 190;
Best Local Similarity 90.0%; Pred. No. 7.7e-10;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 APTTEGEOKSHEVIKFMVDY 20
|||||||:||||:|||||
DB 27 APTTEGEOKAHEVVKFMDY 46

RESULT 5
US-08-586-039B-35
Sequence 35, Application US/08586039B
Patent No. 6140073
GENERAL INFORMATION:
APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 214 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-35

Query Match 88.6%; Score 101; DB 4; Length 214;
Best Local Similarity 90.0%; Pred. No. 8.8e-10;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 APTTEGEOKSHEVIKFMVDY 20
|||||||:||||:|||||
DB 27 APTTEGEOKAHEVVKFMDY 46

RESULT 6
US-08-469-427A-15
Sequence 15, Application US/08469427A
Patent No. 5607918
GENERAL INFORMATION:
APPLICANT: Eriksson, Ulf
APPLICANT: Olofsson, Birgitta
APPLICANT: Alltalo, Karl
APPLICANT: Pajusola, Katri
TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
TITLE OF INVENTION: DNA CODING THEREFOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
STREET: 1200 G Street, N.W., Suite 700
CITY: Washington
STATE: DC
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,427A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/397,651
FILING DATE: 01-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Joseph D.
REGISTRATION NUMBER: 26,269
REFERENCE/DOCKET NUMBER: 41979CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 628-8800
TELEFAX: (202) 628-8844
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 189 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-427A-15

Query Match 78.5%; Score 89.5; DB 1; Length 189;
Best Local Similarity 95.0%; Pred. No. 7.1e-08;
Matches 19; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 APTTEGEOKSHEVIKFMVDY 20
|||||||:||||:|||||
DB 27 APTTEGEOKSHEVIKFMVDY 45

RESULT 7
5194396-11

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Patent No. 5194596
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL GROWTH FACTOR
NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 11:
LENGTH: 21
5194596-11

Query Match      71.1%; Score 81; DB 6; Length 21;
Best Local Similarity 75.0%; Pred. No. 1.6e-07;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0

QY      1 APTEGEOKSHEVIKEMDY 20
        |||||
DB       2 APMAEGGOKPHEVVKFMDY 21

RESULT      8
5219739-11
Patent No. 5219739
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 11:
LENGTH: 21
5219739-11

Query Match      71.1%; Score 81; DB 6; Length 21;
Best Local Similarity 75.0%; Pred. No. 1.6e-07;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0

QY      1 APTEGEOKSHEVIKEMDY 20
        |||||
DB       2 APMAEGGOKPHEVVKFMDY 21

RESULT      9
5332671-14
Patent No. 5332671
APPLICANT: FERRARA, NAPOLITONE; LEUNG, DAVID W.H.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL GROWTH FACTOR AND DNA ENCODING SAME
NUMBER OF SEQUENCES: 15
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/389,722
FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 369,424
FILING DATE: 21-JUN-1989
APPLICATION NUMBER: 351,117
FILING DATE: 12-MAY-1989
SEQ ID NO: 14:

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; 5332671-14          LENGTH: 39
;
Query Match          71.1%; Score 81; DB 6; Length 39;
Best Local Similarity 75.0%; Pred. No. 3.3e-07;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
OY      1 APTTEGQKSHVIRKFM DY 20
      11 1111111111
      1 APMAEGGQKPREHYVKFMDY 20
;
RESULT 10
5194596-21
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
; C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 21:
; LENGTH: 41
5194596-21
;
Query Match          71.1%; Score 81; DB 6; Length 41;
Best Local Similarity 75.0%; Pred. No. 3.5e-07;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
OY      1 APTTEGQKSHVIRKFM DY 20
      11 1111111111
      1 APMAEGGQKPREHYVKFMDY 20
;
RESULT 11
5219739-26
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEF120 AND
; HVGEF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND HVGEF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 26:
; LENGTH: 41
5219739-26
;
Query Match          71.1%; Score 81; DB 6; Length 41;
Best Local Similarity 75.0%; Pred. No. 3.5e-07;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
OY      1 APTTEGQKSHVIRKFM DY 20
      11 1111111111
      1 APMAEGGQKPREHYVKFMDY 20
;
RESULT 12

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GenCore version 4.5
Copyright (c) 1993 - 2000 Compen Ltd.

OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:10 ; Search time 57.94 Seconds
(without alignments)
14.570 Million cell updates/sec

Title: US-09-266-543-6

Perfect score: 237
Sequence: 1 CERKHLFVOTCKSCCKNTD.....RCKAROLENERTCRCKPRR 41

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PTCUTS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	206	86.9	164	6	5194596-17 Patent No. 5194596
2	206	86.9	164	6	5219739-17 Patent No. 5219739
3	206	86.9	164	6	5219739-18 Patent No. 5219739
4	206	86.9	165	6	5194596-18 Patent No. 5194596
5	206	86.9	165	6	5219739-19 Patent No. 5219739
6	206	86.9	189	1	US-08-469-427A-15 Sequence 15, Appl
7	206	86.9	190	2	US-08-569-063C-20 Sequence 20, Appl
8	206	86.9	190	4	US-08-586-039B-31 Sequence 31, Appl
9	206	86.9	190	6	5332671-3 Patent No. 5332671
10	206	86.9	191	3	US-08-567-200A-2 Sequence 2, Appl
11	206	86.9	191	3	US-08-807-992B-2 Sequence 2, Appl
12	206	86.9	191	3	US-08-691-794-2 Sequence 2, Appl
13	206	86.9	191	4	US-08-795-430-56 Sequence 56, Appl
14	206	86.9	191	6	5332671-4 Patent No. 5332671
15	206	86.9	214	4	US-08-586-039B-35 Sequence 35, Appl
16	206	86.9	215	4	5240848-11 Patent No. 5240848
17	206	86.9	215	6	US-08-807-992B-3 Sequence 49, Appl
18	206	86.9	215	4	US-08-586-039B-49 Sequence 49, Appl
19	206	86.9	215	6	5219739-22 Patent No. 5219739
20	206	86.9	215	6	5240848-7 Patent No. 5240848
21	206	86.9	231	5	PCT-US96-09001-10 Sequence 10, Appl
22	206	86.9	232	2	US-08-999-811-7 Sequence 7, Appl
23	206	86.9	232	2	US-08-824-996-9 Sequence 4, Appl
24	206	86.9	232	2	US-08-807-992B-4 Sequence 7, Appl
25	206	86.9	232	3	US-09-042-105-7 Sequence 29, Appl
26	100	42.2	17	3	US-08-807-992B-29 Sequence 7, Appl
27	89.5	37.8	19	3	US-08-807-992B-7 Sequence 7, Appl

28	89.5	37.8	19	3	US-08-807-992B-13 Sequence 13, Appl
29	89.5	37.8	19	3	US-08-807-992B-16 Sequence 16, Appl
30	89.5	37.8	19	3	US-08-807-992B-30 Sequence 30, Appl
31	85	35.9	55	1	US-08-469-427A-3 Sequence 3, Appl
32	85	35.9	55	2	US-08-609-443B-3 Sequence 3, Appl
33	85	35.9	55	2	US-08-569-063C-3 Sequence 3, Appl
34	85	35.9	188	1	US-08-469-427A-5 Sequence 5, Appl
35	85	35.9	188	2	US-08-609-443B-5 Sequence 5, Appl
36	85	35.9	188	2	US-08-569-063C-5 Sequence 5, Appl
37	85	35.9	195	1	US-08-469-427A-7 Sequence 7, Appl
38	85	35.9	195	2	US-08-609-443B-7 Sequence 7, Appl
39	85	35.9	195	2	US-08-569-063C-7 Sequence 7, Appl
40	80	33.8	188	1	US-08-469-427A-11 Sequence 11, Appl
41	80	33.8	188	2	US-08-609-443B-11 Sequence 11, Appl
42	80	33.8	188	2	US-08-569-063C-11 Sequence 11, Appl
43	80	33.8	188	4	US-08-795-430-57 Sequence 57, Appl
44	74	31.2	350	2	US-08-999-811-4 Sequence 4, Appl
45	74	31.2	350	2	US-08-824-996-2 Sequence 2, Appl

ALIGNMENTS

RESULT 1
5194596-17
; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
; C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 17:
; LENGTH: 164
5194596-17

Query Match 86.9%; Score 206; DB 6; Length 164;
Best Local Similarity 90.9%; Pred. No. 6; 8e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLFV--OTCKSCCKNTDSRCKAROLE-NERTCRCKPRR 41
DB 121 ERKHLFVODPTCKSCCKNTDSRCKAROLENERTCRCKPRR 164
RESULT 2
5219739-17
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 17:
; LENGTH: 164
5219739-17

Query Match 86.9%; Score 206; DB 6; Length 164;
Best Local Similarity 90.9%; Pred. No. 6.8e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLEFV--OTCKSCKNNTDSRCKAROLE-NERTCRCDKPRR 41
Db 121 ERKHLEFVODPOTCKSCKNNTDSRCKAROLELNERTCRCDKPRR 164

RESULT 3
5219739-18
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO.19:
; LENGTH: 164
5219739-18

Query Match 86.9%; Score 206; DB 6; Length 164;
Best Local Similarity 90.9%; Pred. No. 6.8e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLEFV--OTCKSCKNNTDSRCKAROLE-NERTCRCDKPRR 41
Db 121 ERKHLEFVODPOTCKSCKNNTDSRCKAROLELNERTCRCDKPRR 164

RESULT 4
5194596-18
; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
; C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO.18:
; LENGTH: 165
5194596-18

Query Match 86.9%; Score 206; DB 6; Length 165;
Best Local Similarity 90.9%; Pred. No. 6.9e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLEFV--OTCKSCKNNTDSRCKAROLE-NERTCRCDKPRR 41
Db 122 ERKHLEFVODPOTCKSCKNNTDSRCKAROLELNERTCRCDKPRR 165

RESULT 5
5219739-19
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.

; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO.19:
; LENGTH: 165
5219739-19

Query Match 86.9%; Score 206; DB 6; Length 165;
Best Local Similarity 90.9%; Pred. No. 6.9e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERKHLEFV--OTCKSCKNNTDSRCKAROLE-NERTCRCDKPRR 41
Db 122 ERKHLEFVODPOTCKSCKNNTDSRCKAROLELNERTCRCDKPRR 165

RESULT 6
US-08-469-427A-15
; Sequence 15, Application US/08469427A
; Patent No. 5607918
; GENERAL INFORMATION:
; APPLICANT: Eriksson, Ulf
; APPLICANT: Olofsson, Birgitta
; APPLICANT: Allitalo, Kari
; APPLICANT: Pajusola, Katri
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Evenson, McKeown, Edwards & Lenahan
; STREET: 1200 G Street, N.W., Suite 700
; CITY: Washington
; STATE: DC
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,427A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/397,651
; FILING DATE: 01-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Joseph D
; REGISTRATION NUMBER: 26,269
; REFERENCE/DOCKET NUMBER: 41979cp2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-8800
; TELEFAX: (202) 628-8844
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 189 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-427A-15

Query Match 86.9%; Score 206; DB 1; Length 189;
Best Local Similarity 90.9%; Pred. No. 7.8e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERRKHLFV---OTCKSCKNTDSRCKAROLE-NERTCRCDKPRR 41
DB 146 ERRKHLFVODPOTCKSCKNTDSRCKAROLELNERTCRCDKPRR 189

RESULT 7
US-08-569-063C-20

; Sequence 20, Application US/08569063C
; Patent No. 5928939

; GENERAL INFORMATION:

; APPLICANT: ERIKSSON, Ulf

; APPLICANT: OLOFSSON, Birgitta

; APPLICANT: ALITALO, Kari

; APPLICANT: RAJUSOLA, Katri

; TITLE OF INVENTION: VASCULAR ENDOTHELIAL GROWTH FACTOR-B AND

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Evenson, McKown, Edwards & Lenahan, P.L.L.C.

; STREET: 1200 G Street, N.W., Suite 700

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/569,063C

; FILING DATE: 06-DEC-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/469,427

; FILING DATE: 06-JUN-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/397,651

; FILING DATE: 01-MAR-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: EVANS, Joseph D

; REGISTRATION NUMBER: 26,269

; REFERENCE/DOCKET NUMBER: 1064/41979CP3

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 628-8800

; TELEFAX: (202) 628-8844

; INFORMATION FOR SEQ ID NO: 20:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 190 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-569-063C-20

; Query Match 86.9%; Score 206; DB 2; Length 190;

; Best Local Similarity 90.9%; Pred. No. 7.9e-17;

; Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERRKHLFV---OTCKSCKNTDSRCKAROLE-NERTCRCDKPRR 41
DB 147 ERRKHLFVODPOTCKSCKNTDSRCKAROLELNERTCRCDKPRR 190

RESULT 8
US-08-586-039B-31

; Sequence 31, Application US/08586039B

; Patent No. 6140073

; GENERAL INFORMATION:

; APPLICANT: Bayne, Marvin L.
; APPLICANT: Thomas Jr., Kenneth A.
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C

; NUMBER OF SEQUENCES: 48

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merck & Co., Inc.

; STREET: 126 E. Lincoln Avenue

; CITY: Rahway

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07065-0900

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Microsoft Word 6

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/586,039B

; FILING DATE: 16-JAN-1996

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/124,259

; FILING DATE: 20-SEP-1993

; APPLICATION NUMBER: 07/676,436

; FILING DATE: 28-MAR-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Hand, J. Mark

; REGISTRATION NUMBER: 36,545

; REFERENCE/DOCKET NUMBER: 18361DA

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (908) 594-3905

; TELEFAX: (908) 594-4720

; INFORMATION FOR SEQ ID NO: 31:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 190 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-586-039B-31

; Query Match 86.9%; Score 206; DB 4; Length 190;

; Best Local Similarity 90.9%; Pred. No. 7.9e-17;

; Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERRKHLFV---OTCKSCKNTDSRCKAROLE-NERTCRCDKPRR 41
DB 147 ERRKHLFVODPOTCKSCKNTDSRCKAROLELNERTCRCDKPRR 190

RESULT 9
5332671-3

; Patent No. 5332671

; APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.

; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL

; GROWTH FACTOR AND DNA ENCODING SAME

; NUMBER OF SEQUENCES: 15

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/389,722

; FILING DATE: 04-AUG-1989

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 369,424

; FILING DATE: 21-JUN-1989

; APPLICATION NUMBER: 351,117

; FILING DATE: 12-MAY-1989

; SEQ ID NO:3:

; LENGTH: 190

; 5332671-3

; Query Match 86.9%; Score 206; DB 6; Length 190;

; Best Local Similarity 90.9%; Pred. No. 7.9e-17;

; Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERRKHLFV---OTCKSCKNTDSRCKAROLE-NERTCRCDKPRR 41
DB 147 ERRKHLFVODPOTCKSCKNTDSRCKAROLELNERTCRCDKPRR 190

RESULT 8
US-08-586-039B-31

; Sequence 31, Application US/08586039B

; Patent No. 6140073

; GENERAL INFORMATION:

Best Local Similarity 90.9%; Pred. No. 7.9e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERRKHLFV---OTCKSCSKNTDSRCKAROLE-NERTCRCDKPRR 41
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Db 147 ERRKHLFVQDPQTCCKSCSKNTDSRCKAROLELNERTCRCDKPRR 190

RESULT 10

US-08-567-200A-2

Sequence 2, Application US/08567200A

Patent No. 6020473

GENERAL INFORMATION:

APPLICANT: KeyL, Bruce A.

APPLICANT: Nguyen, Francis H.

APPLICANT: Ferrara, Napoleone

TITLE OF INVENTION: Variants of Vascular Endothelial Cell

TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their

TITLE OF INVENTION: Production

NUMBER OF SEQUENCES: 42

CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert

STREET: Four Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: United States

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/567,200A

FILING DATE: 05-DEC-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Dreger, Walter H.

REGISTRATION NUMBER: 24,190

REFERENCE/DOCKET NUMBER: A-62326-1/WMD

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 191 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-567-200A-2

Query Match 86.9%; Score 206; DB 3; Length 191;
Best Local Similarity 90.9%; Pred. No. 7.9e-17;

Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERRKHLFV---OTCKSCSKNTDSRCKAROLE-NERTCRCDKPRR 41
|||||

Db 148 ERRKHLFVQDPQTCCKSCSKNTDSRCKAROLELNERTCRCDKPRR 191

RESULT 11

US-08-807-992B-2

Sequence 2, Application US/08807992B

Patent No. 6022541

GENERAL INFORMATION:

APPLICANT: Senger, Donald R

APPLICANT: Dvorak, Harold F

TITLE OF INVENTION: Immunological preparation for concurrent

TITLE OF INVENTION: specific binding to spatially exposed regions of vascular

TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood

TITLE OF INVENTION: vessel

US-08-807-992B-2

NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:

ADDRESSEE: David Prashker, Esq.

STREET: P.O. Box 5387

CITY: Magnolia

STATE: Massachusetts

COUNTRY: USA

ZIP: 01930

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage

COMPUTER: IBM PS/1

OPERATING SYSTEM: MS DOS

SOFTWARE: Wordperfect version 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/807,992B

FILING DATE: March 3, 1997

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: David Prashker, Esq.

REGISTRATION NUMBER: 29,693

REFERENCE/DOCKET NUMBER: BIS-033

TELECOMMUNICATION INFORMATION:

TELEPHONE: (978) 525-3794

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 191 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-807-992B-2

Query Match 86.9%; Score 206; DB 3; Length 191;
Best Local Similarity 90.9%; Pred. No. 7.9e-17;

Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERRKHLFV---OTCKSCSKNTDSRCKAROLE-NERTCRCDKPRR 41
|||||

Db 148 ERRKHLFVQDPQTCCKSCSKNTDSRCKAROLELNERTCRCDKPRR 191

RESULT 12

US-08-691-794-2

Sequence 2, Application US/08691794

Patent No. 6057428

GENERAL INFORMATION:

APPLICANT: KeyL, Bruce A.

APPLICANT: Nguyen, Francis H.

APPLICANT: Ferrara, Napoleone

APPLICANT: Cunningham, Brian C.

APPLICANT: Wells, James A.

TITLE OF INVENTION: Variants of Vascular Endothelial Cell

TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their

TITLE OF INVENTION: Production

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert

STREET: Four Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: United States

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/691,794

FILING DATE: 02-AUG-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

US-08-691-794-2

APPLICATION NUMBER: US 60/002,827
FILING DATE: 25-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/567,200
FILING DATE: 05-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-63/58/WHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-691-794-2

Query Match 86.9%; Score 206; DB 3; Length 191;
Best Local Similarity 90.9%; Pred. No. 7.9e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

Qy 2 ERRKHLFV--OTCKCCKNTDSRCKAROLE-NERTCRCDKPRR 41
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Db 148 ERRKHLFVDPOTCKCCKNTDSRCKAROLELNERTCRCDKPRR 191

RESULT 13
US-08-795-430-56
; Sequence 56, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Allitalo, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,430
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FI96/00427
; FILING DATE: 01-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/671,573
; FILING DATE: 28-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/601,132
; FILING DATE: 14-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585,895
; FILING DATE: 12-JAN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/510,133
; FILING DATE: 01-AUG-1995
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/340,011
FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28967/33691
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-430-56

Query Match 86.9%; Score 206; DB 4; Length 191;
Best Local Similarity 90.9%; Pred. No. 7.9e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

Qy 2 ERRKHLFV--OTCKCCKNTDSRCKAROLE-NERTCRCDKPRR 41
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Db 148 ERRKHLFVDPOTCKCCKNTDSRCKAROLELNERTCRCDKPRR 191

RESULT 14
5332671-4
; Patent No. 5332671
; APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR AND DNA ENCODING SAME
; NUMBER OF SEQUENCES: 15
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/389,722
; FILING DATE: 04-AUG-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 369,424
; FILING DATE: 21-JUN-1989
; APPLICATION NUMBER: 351,117
; FILING DATE: 12-MAY-1989
; SEQ ID NO: 4:
; LENGTH: 191
; 5332671-4

Query Match 86.9%; Score 206; DB 6; Length 191;
Best Local Similarity 90.9%; Pred. No. 7.9e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

Qy 2 ERRKHLFV--OTCKCCKNTDSRCKAROLE-NERTCRCDKPRR 41
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Db 148 ERRKHLFVDPOTCKCCKNTDSRCKAROLELNERTCRCDKPRR 191

RESULT 15
US-08-586-039B-35
; Sequence 35, Application US/08586039B
; Patent No. 6140073
; GENERAL INFORMATION:
; APPLICANT: Bayne, Marvin L.
; APPLICANT: Thomas Jr., Kenneth A.
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
; SUBUNIT
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: 126 E. Lincoln Avenue
; CITY: Rahway
; STATE: New Jersey

COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 214 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-586-039B-35

Query Match 86.9%; Score 206; DB 4; Length 214;
Best Local Similarity 90.9%; Pred. No. 8.8e-17;
Matches 40; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 2 ERRKHLFV--OTCKSCSKNTDSRCRKAROLE-NERTCRCDKPPR 41
||||| ||||||||| ||||||||| |||||||||
Db 171 ERRKHLFVDPOTCKSCSKNTDSRCRKAROLELNERTCRCDKPPR 214

Search completed: September 13, 2001, 11:57:10
Job time: 208 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:10 ; Search time 57.94 Seconds
(without alignments)
9.240 Million cell updates/sec

Title: US-09-266-543-7
Perfect score: 138
Sequence: 1 CNDEGLSEVPTESNITMQIMRIKPH 26

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

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4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
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6: /cgn2_6/ptodata/2/1aa/Dackfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	133	96.4	109	US-08-691-794-3	Sequence 3, Appl1
2	133	96.4	121	5194596-19	Patent No. 5194596
3	133	96.4	121	5219739-20	Patent No. 5219739
4	133	96.4	145	US-08-784-551C-2	Sequence 2, Appl1
5	133	96.4	147	US-08-807-992B-1	Sequence 1, Appl1
6	133	96.4	165	5194596-18	Patent No. 5194596
7	133	96.4	165	5219739-19	Patent No. 5219739
8	133	96.4	191	US-08-567-200A-2	Sequence 2, Appl1
9	133	96.4	191	US-08-807-992B-2	Sequence 2, Appl1
10	133	96.4	191	US-08-691-794-2	Sequence 2, Appl1
11	133	96.4	191	US-08-795-430-56	Sequence 56, Appl1
12	133	96.4	191	5332671-4	Patent No. 5332671
13	133	96.4	214	5240848-11	Patent No. 5240848
14	133	96.4	215	US-08-807-992B-3	Sequence 3, Appl1
15	133	96.4	215	US-08-586-039B-49	Sequence 49, Appl1
16	133	96.4	215	5240848-7	Patent No. 5240848
17	133	96.4	231	PCT-US96-09001-10	Sequence 10, Appl1
18	133	96.4	232	US-08-999-811-7	Sequence 7, Appl1
19	133	96.4	232	US-08-824-996-9	Sequence 9, Appl1
20	133	96.4	232	US-08-807-992B-4	Sequence 4, Appl1
21	133	96.4	232	US-09-042-105-7	Sequence 7, Appl1
22	122	88.4	189	US-08-469-427A-15	Sequence 15, Appl1
23	122	88.4	190	US-08-569-063C-20	Sequence 20, Appl1
24	121	87.7	120	5194596-9	Patent No. 5194596
25	121	87.7	120	5219739-9	Patent No. 5219739
26	121	87.7	146	US-08-586-039B-33	Sequence 33, Appl1
27	121	87.7	164	5194596-17	Patent No. 5194596

28	121	87.7	164	6	5219739-17	Patent No. 5219739
29	121	87.7	164	6	5219739-18	Patent No. 5219739
30	121	87.7	190	4	US-08-586-039B-31	Sequence 31, Appl1
31	121	87.7	190	6	5332671-3	Patent No. 5332671
32	121	87.7	214	4	US-08-586-039B-35	Sequence 35, Appl1
33	120	87.0	215	6	5219739-22	Patent No. 5219739
34	83	60.1	19	3	US-08-807-992B-24	Sequence 24, Appl1
35	76	55.1	138	4	US-08-586-039B-39	Sequence 39, Appl1
36	76	55.1	158	4	US-08-586-039B-39	Sequence 39, Appl1
37	75	54.3	149	1	US-08-469-427A-14	Sequence 14, Appl1
38	75	54.3	149	2	US-08-039-297B-2	Sequence 2, Appl1
39	75	54.3	149	2	US-08-569-063C-21	Sequence 21, Appl1
40	75	54.3	149	4	US-08-795-430-55	Sequence 55, Appl1
41	75	54.3	149	4	US-08-586-039B-47	Sequence 47, Appl1
42	75	54.3	154	4	US-08-586-039B-41	Sequence 41, Appl1
43	75	54.3	170	2	US-08-039-297B-8	Sequence 8, Appl1
44	75	54.3	170	4	US-08-586-039B-45	Sequence 45, Appl1
45	67	48.6	188	1	US-08-469-427A-11	Sequence 11, Appl1

ALIGNMENTS

RESULT 1
US-08-691-794-3
; Sequence 3, Application US/08691794
; Patent No. 6057428
; GENERAL INFORMATION:
; APPLICANT: Keyt, Bruce A.
; APPLICANT: Nguyen, Francis H.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Cunningham, Brian C.
; APPLICANT: Wells, James A.
; APPLICANT: Li, Bing
; TITLE OF INVENTION: Variants of Vascular Endothelial Cell
; TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hombach, Test, Albrighton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/691,794
; FILING DATE: 02-AUG-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/002,827
; FILING DATE: 25-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/567,200
; FILING DATE: 05-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-63758/WMD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown

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;      TOPOLOGY:  unknown
;      MOLECULE TYPE:  protein
US-08-691-794-3

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Query Match	96.48;	Score 133;	DB 3;	Length 109;
Best Local Similarity	96.28;	Pred. No. 6e-15;		
Matches 25; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY 1 CNDEGLESPTEESNITMQIMRIKPH 26
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 Db 61 CNDEGLECPTEESNITMQIMRIKPH 86

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RESULT 2
5194596-19
; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES, JOHANN
; C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SPOUNCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO:19;
; LENGTH: 121
; 5194596-19

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Query Match	96.4%;	Score 133;	DB 6;	Length 121;
Best Local Similarity	96.2%;	Pred. No. 6.8e-15;		
Matches	25; Conservative	0; Mismatches	1; Indels	0; Gaps

QY 1 CNDEGLESVPTSESNITMQIMRIKPH 26
| | | | | | | | | | | | | |
Db 61 CNDEGLECVPTSESNITMQIMRIKPH 86

RESULT 3
 5219739-20
 Patent No. 5219739
 APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES,
 JOHN C.; MITCHELL, RICHARD L.
 TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEF120 AND
 HVGEF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
 VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND HVGEF121
 NUMBER OF SEQUENCES: 40
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/559,041
 FILING DATE: 27-JUL-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 450,883
 FILING DATE: 14-DEC-1989
 APPLICATION NUMBER: 387,545
 FILING DATE: 27-JUL-1989
 SEQ ID NO:20:
 LENGTH: 121
 5219739-20

Query Match	96.4%;	Score 133;	DB 6;	Length 121;
Best Local Similarity	96.2%;	Pred. No. 6.8e-15;		
Matches 25; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY 1 CNDEGLESVPTSESNITMQIMRIKPH 26
||||| ||||||| |||||||
Db 61 CNDEGLECVPTSESNITMQIMRIKPH 86

RESULT 4
US-08-784-551C-2
; Sequence 2, Application US/08784551C
; Patent No. 6013780

GENERAL INFORMATION:
APPLICANT: Gera Neufeld
APPLICANT: Eli Keshet
APPLICANT: Israel Vlodavsky
APPLICANT: Zoya Poltorak
TITLE OF INVENTION: ANGIOGENIC FACTOR AND USE THEREOF
TITLE OF INVENTION: IN TREATING CARDIOVASCULAR DISEASE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:

ADDRESSEE: Blank, Rome, Comisky & McCauley LLP
STREET: 900 17th street, N.W.
STREET: Suite 1000
CITY: Washington, D.C.
STATE: N/A
COUNTRY: U.S.A.
ztd. 2006

COMPUTER READABLE FORM: 1
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Fastsoft for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/784,551C
FILING DATE: January 21, 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:

ATTORNEY/AGENT INFORMATION:
NAME: Chen, Herbert
REGISTRATION NUMBER: 25,109
REFERENCE/DOCKET NUMBER: 0274, 005/P003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 463-7700
TELEFAX: (202) 463-6915
TELEX:

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: INFORMATION FOR SEQ ID NO: 2:
:
: SEQUENCE CHARACTERISTICS:
:
: LENGTH: 145 amino acids
:
: TYPE: amino acid
:
: STRANDEDNESS: single
:
: TOPOLOGY: linear
:
US-08-784-551C-2

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Query Match	96.4%;	Score 133;	DB 3;	Length 145;
Best Local Similarity	96.2%;	Pred. No. 8.6e-15;		
Matches 25; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

QY 1 CNDEGLESVPTESNITMÖIRIKPH 26
| | | | | | | | | | | | | |
Db 61 CNDEGLECVPTESNITMÖIRIKPH 86

RESULT 5
US-08-807-992B-1
Sequence 1, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
APPLICANT: Dvorak, Harold F
TITLE OF INVENTION: Immunological preparation for concurrent
specific binding to spatially exposed regions of vascular
permeability factor bound in-vivo to a tumor associated bio-
marker
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated bio-
marker
TITLE OF INVENTION: vessel
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.

STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 147 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-1

Query Match 96.4%; Score 133; DB 3; Length 147;
Best Local Similarity 96.2%; Pred. No. 8.8e-15;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLECVPTESNITMQIMRIKPH 26
|||||
DB 87 CNDEGLECVPTESNITMQIMRIKPH 112

RESULT 6
5194596-18
PATENT NO. 5194596
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
GROWTH FACTOR
NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO. 18:
LENGTH: 165
5194596-18

Query Match 96.4%; Score 133; DB 6; Length 165;
Best Local Similarity 96.2%; Pred. No. 1e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLESVPTESNITMQIMRIKPH 26
|||||
DB 61 CNDEGLECVPTESNITMQIMRIKPH 86

RESULT 7
5219739-19
PATENT NO. 5219739
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND
HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN

VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVEGF120 AND HVEGF121
NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO. 19:
LENGTH: 165
5219739-19

Query Match 96.4%; Score 133; DB 6; Length 165;
Best Local Similarity 96.2%; Pred. No. 1e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLESVPTESNITMQIMRIKPH 26
|||||
DB 61 CNDEGLECVPTESNITMQIMRIKPH 86

RESULT 8
US-08-567-200A-2
Sequence 2, Application US/08567200A
Patent No. 6020473
GENERAL INFORMATION:
APPLICANT: Keyt, Bruce A.
APPLICANT: Nguyen, Francis H.
APPLICANT: Ferrara, Napoleone
TITLE OF INVENTION: Variants of Vascular Endothelial Cell
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/567,200A
FILING DATE: 05-DEC-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-62326-1/MHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-567-200A-2

Query Match 96.4%; Score 133; DB 3; Length 191;
Best Local Similarity 96.2%; Pred. No. 1.2e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEESNITMQIMRIKPH 26
||||| |||||||
Db 87 CNDGLEGCVTEESNITMQIMRIKPH 112

RESULT 9
US-08-807-992B-2
; Sequence 2, Application US/08807992B
; Patent No. 6022541
; GENERAL INFORMATION:
; APPLICANT: Senger, Donald R
; APPLICANT: Dvorak, Harold F
; TITLE OF INVENTION: Immunological preparation for concurrent
; TITLE OF INVENTION: specific binding to spatially exposed regions of vascular
; TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David Prashker, Esq.
; STREET: P.O. Box 5387
; CITY: Magnolia
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01930
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage
; COMPUTER: IBM PS/1
; OPERATING SYSTEM: MS DOS
; SOFTWARE: Wordperfect version 5.1
; CURRENT APPLICATION DATA: US/08/807,992B
; FILING DATE: March 3, 1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: David Prashker, Esq.
; REGISTRATION NUMBER: 29,693
; REFERENCE/DOCKET NUMBER: BIS-033
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (978) 525-3794
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-807-992B-2

Query Match 96.4%; Score 133; DB 3; Length 191;
Best Local Similarity 96.2%; Pred. No. 1.2e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 CNDGLESVPTEESNITMQIMRIKPH 26
||||| |||||||
Db 87 CNDGLEGCVTEESNITMQIMRIKPH 112

RESULT 10
US-08-691-794-2
; Sequence 2, Application US/08691794
; Patent No. 6057428
; GENERAL INFORMATION:
; APPLICANT: Keyt, Bruce A.
; APPLICANT: Nguyen, Francis H.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Cunningham, Brian C.
; APPLICANT: Wells, James A.
; APPLICANT: Li, Bing
; TITLE OF INVENTION: Variants of Vascular Endothelial Cell
; TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hobbach, Test, Albilton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/691,794
; FILING DATE: 02-AUG-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/002,827
; FILING DATE: 25-AUG-1995
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/567,200
; FILING DATE: 05-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dregler, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-63758/RHD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-691-794-2

Query Match 96.4%; Score 133; DB 3; Length 191;
Best Local Similarity 96.2%; Pred. No. 1.2e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 CNDGLESVPTEESNITMQIMRIKPH 26
||||| |||||||
Db 87 CNDGLEGCVTEESNITMQIMRIKPH 112

RESULT 11
US-08-795-430-56
; Sequence 56, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Aittalo, Karl
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/795,430
; FILING DATE:
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/F196/00427
FILING DATE: 01-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/671,573
FILING DATE: 28-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/601,132
FILING DATE: 14-FEB-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,895
FILING DATE: 12-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/510,133
FILING DATE: 01-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/340,011
FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28967/33691
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-430-56

Query Match 96.4%; Score 133; DB 4; Length 191;
Best Local Similarity 96.2%; Pred. No. 1.2e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLECVPTESNITMOIMRIKPH 26
||||| ||||||| ||||||| ||||||| |||||||
DB 87 CNDEGLECVPTESNITMOIMRIKPH 112

RESULT 12
5332671-4
PATENT NO. 5332671
APPLICANT: FERRARA, NAPOLITONE, LEUNG, DAVID W.H.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
GROWTH FACTOR AND DNA ENCODING SAME
NUMBER OF SEQUENCES: 15
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/389,722
FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 369,424
FILING DATE: 21-JUN-1989
APPLICATION NUMBER: 351,117
FILING DATE: 12-MAY-1989
SEQ ID NO: 4
LENGTH: 191
5332671-4

Query Match 96.4%; Score 133; DB 6; Length 191;
Best Local Similarity 96.2%; Pred. No. 1.2e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLECVPTESNITMOIMRIKPH 26
||||| ||||||| ||||||| ||||||| |||||||
DB 87 CNDEGLECVPTESNITMOIMRIKPH 112

RESULT 13
5240848-11
PATENT NO. 5240848
APPLICANT: KECK, PAMELA J.; CONNOLLY, DANIEL T.; FEDER, JOSEPH
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR
PERMEABILITY FACTOR HAVING 189 AMINO ACIDS
NUMBER OF SEQUENCES: 11
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/337,037
FILING DATE: 10-JUL-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 274,061
FILING DATE: 21-NOV-1988
SEQ ID NO: 11
LENGTH: 214
5240848-11

Query Match 96.4%; Score 133; DB 6; Length 214;
Best Local Similarity 96.2%; Pred. No. 1.4e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDEGLECVPTESNITMOIMRIKPH 26
||||| ||||||| ||||||| ||||||| |||||||
DB 87 CNDEGLECVPTESNITMOIMRIKPH 112

RESULT 14
US-08-807-992B-3
SEQUENCE 3, Application US/08807992B
PATENT NO. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
TITLE OF INVENTION: Immunological preparation for concurrent
TITLE OF INVENTION: Specific binding to spatially exposed regions of vascular
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-3

Query Match 96.4%; Score 133; DB 3; Length 215;
Best Local Similarity 96.2%; Pred. No. 1.4e-14;

Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDEGLSEVPTESNITMOIMRIKPH 26
||||| ||||||| |||||||
Db 87 CNDEGLECVPTESNITMOIMRIKPH 112

RESULT 15

US-08-586-039B-49
; Sequence 49, Application US/08586039B
; Patent No. 6140073
; GENERAL INFORMATION:
; APPLICANT: Bayne, Marvin L.
; APPLICANT: Thomas Jr., Kenneth A.
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
; TITLE OF INVENTION: SUBUNIT
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: 126 E. Lincoln Avenue
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft word 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/586,039B
; FILING DATE: 16-JAN-1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/124,259
; FILING DATE: 20-SEP-1993
; APPLICATION NUMBER: 07/676,436
; FILING DATE: 28-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Hand, J. Mark
; REGISTRATION NUMBER: 36,545
; REFERENCE/DOCKET NUMBER: 18361DA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3905
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 215 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-586-039B-49

Query Match 96.4%; Score 133; DB 4; Length 215;

Best Local Similarity 96.2%; Pred. No. 1.4e-14;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDEGLSEVPTESNITMOIMRIKPH 26
||||| ||||||| |||||||
Db 87 CNDEGLECVPTESNITMOIMRIKPH 112

Search completed: September 13, 2001, 11:57:11
Job time: 209 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:11 ; Search time 57.94 Seconds
(without alignments)
4.620 Million cell updates/sec

Title: US-09-266-543-8

Perfect score: 71

Sequence: 1 CNDEGLESPVTEE 13

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*

1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PTCUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfill1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	66	93.0	109	3	US-08-691-794-3
2	66	93.0	121	6	5194596-19
3	66	93.0	121	6	5194596-19
4	66	93.0	145	3	US-08-784-551C-2
5	66	93.0	147	3	US-08-807-992B-1
6	66	93.0	165	6	5194596-18
7	66	93.0	165	6	519739-19
8	66	93.0	191	3	US-08-567-200A-2
9	66	93.0	191	3	US-08-807-992B-2
10	66	93.0	191	3	US-08-691-794-2
11	66	93.0	191	4	US-08-795-430-56
12	66	93.0	191	6	5332671-4
13	66	93.0	214	6	5240848-11
14	66	93.0	215	3	US-08-807-992B-3
15	66	93.0	215	4	US-08-586-039B-49
16	66	93.0	215	6	5219739-22
17	66	93.0	215	6	5240848-7
18	66	93.0	231	5	PCT-US96-09001-10
19	66	93.0	232	2	US-08-999-811-7
20	66	93.0	232	2	US-08-824-996-9
21	66	93.0	232	3	US-08-807-992B-4
22	66	93.0	232	3	US-09-042-105-7
23	61	85.9	12	3	US-08-742-243-45
24	60	84.5	120	6	5194596-9
25	60	84.5	120	6	5219739-9
26	60	84.5	164	6	5194596-17
27	60	84.5	164	6	5219739-17

28	60	84.5	164	6	5219739-18	Patent No. 5219739
29	60	84.5	190	6	5332671-3	Patent No. 5332671
30	55	77.5	146	4	US-08-586-039B-33	Sequence 33, Appl
31	55	77.5	189	1	US-08-469-427A-15	Sequence 15, Appl
32	55	77.5	190	2	US-08-569-063C-20	Sequence 20, Appl
33	55	77.5	190	4	US-08-586-039B-31	Sequence 31, Appl
34	55	77.5	214	4	US-08-586-039B-35	Sequence 35, Appl
35	51	71.8	12	3	US-08-742-243-44	Sequence 44, Appl
36	51	71.8	12	3	US-08-469-427A-2	Sequence 46, Appl
37	45	63.4	102	1	US-08-609-443B-2	Sequence 2, Appl
38	45	63.4	102	2	US-08-569-063C-2	Sequence 2, Appl
39	45	63.4	102	2	US-08-469-427A-9	Sequence 9, Appl
40	45	63.4	133	1	US-08-609-443B-9	Sequence 9, Appl
41	45	63.4	133	2	US-08-569-063C-9	Sequence 9, Appl
42	45	63.4	133	2	US-08-469-427A-5	Sequence 5, Appl
43	45	63.4	188	1	US-08-469-427A-11	Sequence 11, Appl
44	45	63.4	188	2	US-08-609-443B-5	Sequence 5, Appl
45	45	63.4	188	2	US-08-609-443B-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-08-691-794-3
; Sequence 3, Application US/08691794
; Patent No. 6057428
GENERAL INFORMATION:
APPLICANT: Keytl, Bruce A.
APPLICANT: Nguyen, Francis H.
APPLICANT: Ferrari, Napoleone
APPLICANT: Cunningham, Brian C.
APPLICANT: Wells, James A.
APPLICANT: Li, Bing
TITLE OF INVENTION: Variants of Vascular Endothelial Cell
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
NUMBER OF INVENTION: Production
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hombach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/691,794
FILING DATE: 02-AUG-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/002,827
FILING DATE: 25-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/567,200
FILING DATE: 05-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-63758/WHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 109 amino acids
TYPE: amino acid
STRANDEDNESS: unknown

TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-691-794-3

Query Match 93.0%; Score 66; DB 3; Length 109;
Best Local Similarity 92.3%; Pred. No. 0.00013;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13
|||||
Db 61 CNDGLECPVTEE 73

RESULT 2
5194596-19
PATENT No. 5194596
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES, JOHN
C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
GROWTH FACTOR
NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 19:
LENGTH: 121
5194596-19

Query Match 93.0%; Score 66; DB 6; Length 121;
Best Local Similarity 92.3%; Pred. No. 0.00014;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13
|||||
Db 61 CNDGLECPVTEE 73

RESULT 3
5219739-20
PATENT No. 5219739
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES,
JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND
HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVEGF121
NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 20:
LENGTH: 121
5219739-20

Query Match 93.0%; Score 66; DB 6; Length 121;
Best Local Similarity 92.3%; Pred. No. 0.00014;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13
|||||
Db 61 CNDGLECPVTEE 73

RESULT 4
US-08-784-551C-2
Sequence 2, Application US/08784551C
Patent No. 6013780
GENERAL INFORMATION:
APPLICANT: Gera Neufeld
APPLICANT: Eli Keshet
APPLICANT: Israel Vlodavsky

APPLICANT: Zoya Poltorak
TITLE OF INVENTION: ANGIOGENIC FACTOR AND USE THEREOF
TITLE OF INVENTION: IN TREATING CARDIOVASCULAR DISEASE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Blank, Rome, Comisky & McCauley LLP
STREET: 900 17th Street, N.W.
STREET: Suite 1000
CITY: Washington, D.C.
STATE: N/A
COUNTRY: U.S.A.
ZIP: 20006

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/784,551C
FILING DATE: January 21, 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cohen, Herbert
REGISTRATION NUMBER: 25,109
REFERENCE/DOCKET NUMBER: 0274.005/P003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 463-7700
TELEFAX: (202) 463-6915
TELEX:

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-784-551C-2

Query Match 93.0%; Score 66; DB 3; Length 145;
Best Local Similarity 92.3%; Pred. No. 0.00018;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13
|||||
Db 61 CNDGLECPVTEE 73

RESULT 5
US-08-807-992B-1
Sequence 1, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
APPLICANT: Dvorak, Harold F
TITLE OF INVENTION: Immunological preparation for concurrent
specific binding to spatially exposed regions of vascular
permeability factor bound in-vivo to a tumor associated blo
TITLE OF INVENTION: vessel
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.

STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: B1S-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 147 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-1

Query Match 93.0%; Score 66; DB 3; Length 147;
Best Local Similarity 92.3%; Pred. No. 0.00018;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13
|||||
DB 87 CNDGLESVPTEE 99

RESULT 6
5194596-18
PATENT NO. 5194596
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
GROWTH FACTOR
NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 18:
LENGTH: 165
5194596-18

Query Match 93.0%; Score 66; DB 6; Length 165;
Best Local Similarity 92.3%; Pred. No. 0.00021;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13
|||||
DB 61 CNDGLESVPTEE 73

RESULT 7
5219739-19
PATENT NO. 5219739
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVEGF120 AND
BVGEF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN

VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND BVGEF121
NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 19:
LENGTH: 165
5219739-19

Query Match 93.0%; Score 66; DB 6; Length 165;
Best Local Similarity 92.3%; Pred. No. 0.00021;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13
|||||
DB 61 CNDGLESVPTEE 73

RESULT 8
US-08-567-200A-2
Sequence 2, Application US/08567200A
Patent No. 6020473
GENERAL INFORMATION:
APPLICANT: Keyt, Bruce A.
APPLICANT: Nguyen, Francis H.
APPLICANT: Ferrara, Napoleone
TITLE OF INVENTION: Variants of Vascular Endothelial Cell
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
PRODUCTION
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSER: Flehr, Hohbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/567,200A
FILING DATE: 05-DEC-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-62326-1/MHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-567-200A-2

Query Match 93.0%; Score 66; DB 3; Length 191;
Best Local Similarity 92.3%; Pred. No. 0.00024;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13
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Db 87 CNDGLESVPTEE 99

RESULT 9

US-08-807-992B-2
; Sequence 2, Application US/08807992B
; Patent No. 6022541
; GENERAL INFORMATION:
; APPLICANT: Senger, Donald R
; APPLICANT: Dvorak, Harold F
; TITLE OF INVENTION: Immunological preparation for concurrent
; TITLE OF INVENTION: specific binding to spatially exposed regions of vascular
; TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood
; TITLE OF INVENTION: vessel
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: David Prashker, Esq.
; STREET: P.O. Box 5387
; CITY: Magnolia
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01930
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
; COMPUTER: IBM PS/1
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/807,992B
; FILING DATE: March 3, 1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: David Prashker, Esq.
; REGISTRATION NUMBER: 29,693
; REFERENCE/DOCKET NUMBER: BIS-033
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (978) 525-3794
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 191 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-807-992B-2

Query Match 93.0%; Score 66; DB 3; Length 191;
Best Local Similarity 92.3%; Pred. No. 0.00024;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13
|||||
Db 87 CNDGLESVPTEE 99

RESULT 10

US-08-691-794-2
; Sequence 2, Application US/08691794
; Patent No. 6057428
; GENERAL INFORMATION:
; APPLICANT: Keyt, Bruce A.
; APPLICANT: Nguyen, Francis H.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Cunningham, Brian C.
; APPLICANT: Wells, James A.
; APPLICANT: Li, Bing
; TITLE OF INVENTION: Variants of Vascular Endothelial Cell
; TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
; TITLE OF INVENTION: Production
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESSES:

ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/691,794
FILING DATE: 02-AUG-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/002,827
FILING DATE: 25-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/567,200
FILING DATE: 05-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-63758/WHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-691-794-2

Query Match 93.0%; Score 66; DB 3; Length 191;
Best Local Similarity 92.3%; Pred. No. 0.00024;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 CNDGLESVPTEE 13
|||||
Db 87 CNDGLESVPTEE 99

RESULT 11

US-08-795-430-56
; Sequence 56, Application US/08795430
; Patent No. 6130071
; GENERAL INFORMATION:
; APPLICANT: Alltaio, Kari
; APPLICANT: Joukov, Vladimir
; TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
; TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,430
; FILING DATE:
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/F196/00427
FILING DATE: 01-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/671,573
FILING DATE: 28-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/601,132
FILING DATE: 14-FEB-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,895
FILING DATE: 12-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/510,133
FILING DATE: 01-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/340,011
FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28967/33691
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-430-56

Query Match 93.0%; Score 66; DB 4; Length 191;
Best Local Similarity 92.3%; Pred. No. 0.00024;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13
DB 87 CNDGLESVPTEE 99

RESULT 12
5332671-4
PATENT No. 5332671
APPLICANT: FERRARA, NAPOLEONE; LEUNG, DAVID W.H.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
GROWTH FACTOR AND DNA ENCODING SAME
NUMBER OF SEQUENCES: 15
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/389,722
FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 369,424
FILING DATE: 21-JUN-1989
APPLICATION NUMBER: 351,117
FILING DATE: 12-MAY-1989
SEQ ID NO: 4
LENGTH: 191
5332671-4

Query Match 93.0%; Score 66; DB 6; Length 191;
Best Local Similarity 92.3%; Pred. No. 0.00024;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13
DB 87 CNDGLESVPTEE 99

RESULT 13
5240848-11
PATENT No. 5240848
APPLICANT: KECK, PAMELA J.; CONNOLLY, DANIEL T.; FEDER, JOSEPH
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR
PERMEABILITY FACTOR HAVING 189 AMINO ACIDS
NUMBER OF SEQUENCES: 11
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/337,037
FILING DATE: 10-JUL-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 274,061
FILING DATE: 21-NOV-1988
SEQ ID NO: 11
LENGTH: 214
5240848-11

Query Match 93.0%; Score 66; DB 6; Length 214;
Best Local Similarity 92.3%; Pred. No. 0.00027;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTEE 13
DB 87 CNDGLESVPTEE 99

RESULT 14
US-08-807-992B-3
Sequence 3, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
APPLICANT: Dvorak, Harold F
TITLE OF INVENTION: Immunological preparation for concurrent
specific binding to spatially exposed regions of vascular
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-3

Query Match 93.0%; Score 66; DB 3; Length 215;
Best Local Similarity 92.3%; Pred. No. 0.00028;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTPE 13
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Db 87 CNDGLESVPTPE 99

RESULT 15

US-08-586-039B-49

; Sequence 49, Application US/08586039B
; Patent No. 6140073

; GENERAL INFORMATION:

; APPLICANT: Bayne, Marvin L.

; APPLICANT: Thomas Jr., Kenneth A.

; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C

; TITLE OF INVENTION: SUBUNIT

; NUMBER OF SEQUENCES: 49

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merck & Co., Inc.

; STREET: 126 E. Lincoln Avenue

; CITY: Rahway

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07065-0900

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Microsoft Word 6

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/586,039B

; FILING DATE: 16-JAN-1996

; CLASSIFICATION:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/124,259

; FILING DATE: 20-SEP-1993

; APPLICATION NUMBER: 07/676,436

; FILING DATE: 28-MAR-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Hand, J. Mark

; REGISTRATION NUMBER: 36,545

; REFERENCE/DOCKET NUMBER: 18361DA

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (908) 594-3905

; TELEFAX: (908) 594-4720

; INFORMATION FOR SEQ ID NO: 49:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 215 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-586-039B-49

Query Match 93.0%; Score 66; DB 4; Length 215;

Best Local Similarity 92.3%; Pred. No. 0.00028;

Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CNDGLESVPTPE 13
||||| |||||

Db 87 CNDGLESVPTPE 99

Search completed: September 13, 2001, 11:57:11
Job time: 209 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:11 ; Search time 57.94 Seconds

(without alignments)
5.686 Million cell updates/sec

Title: US-09-266-543-9

Perfect score: 86

Sequence: 1 CEESNITMOTIRKPH 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA.*

1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*

2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*

3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*

4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*

5: /cgn2_6/ptodata/2/1aa/PCUTUS.COMB.pep.*

6: /cgn2_6/ptodata/2/1aa/Backfilltest.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	77	88.5	109	US-08-691-794-3	Sequence 3, Appl
2	77	88.5	121	5194596-19	Patent No. 5194596
3	77	88.5	121	5219739-20	Patent No. 5219739
4	77	88.5	145	US-08-784-551C-2	Sequence 2, Appl
5	77	88.5	147	US-08-807-992B-1	Sequence 1, Appl
6	77	88.5	165	5194596-18	Patent No. 5194596
7	77	88.5	165	5219739-19	Patent No. 5219739
8	77	88.5	191	US-08-567-200A-2	Sequence 2, Appl
9	77	88.5	191	US-08-807-992B-2	Sequence 2, Appl
10	77	88.5	191	US-08-691-794-2	Sequence 7, Appl
11	77	88.5	191	US-08-795-430-56	Sequence 56, Appl
12	77	88.5	191	5332671-4	Patent No. 5332671
13	77	88.5	214	5240848-11	Patent No. 5240848
14	77	88.5	215	US-08-807-992B-3	Sequence 3, Appl
15	77	88.5	215	US-08-586-039B-49	Sequence 49, Appl
16	77	88.5	215	5240848-7	Patent No. 5240848
17	77	88.5	231	PCW-US96-09001-10	Sequence 10, Appl
18	77	88.5	232	US-08-999-811-7	Sequence 7, Appl
19	77	88.5	232	US-08-824-996-9	Sequence 9, Appl
20	77	88.5	232	US-08-807-992B-4	Sequence 4, Appl
21	77	88.5	232	US-09-042-105-7	Sequence 15, Appl
22	77	88.5	232	US-08-469-427A-15	Sequence 15, Appl
23	77	88.5	232	US-08-569-063C-20	Sequence 20, Appl
24	77	88.5	232	5194596-9	Patent No. 5194596
25	77	88.5	232	5219739-9	Patent No. 5219739
26	77	88.5	232	US-08-586-039B-33	Sequence 33, Appl
27	77	88.5	232	5194596-17	Patent No. 5194596

28	71	82.6	164	6	5219739-17	Patent No. 5219739
29	71	82.6	164	6	5219739-18	Patent No. 5219739
30	71	82.6	190	4	US-08-586-039B-31	Sequence 31, Appl
31	71	82.6	190	6	5332671-3	Patent No. 5332671
32	71	82.6	214	4	US-08-586-039B-35	Sequence 35, Appl
33	64	74.4	215	6	5219739-22	Patent No. 5219739
34	63	73.3	12	3	US-08-742-243-53	Sequence 53, Appl
35	62	72.1	19	3	US-08-807-992B-34	Sequence 24, Appl
36	57	66.3	12	3	US-08-742-243-52	Sequence 52, Appl
37	53	61.6	12	3	US-08-742-243-51	Sequence 51, Appl
38	53	61.6	12	3	US-08-742-243-54	Sequence 54, Appl
39	46	53.5	599	4	US-09-080-983-9	Sequence 9, Appl
40	45	52.3	138	4	US-08-586-039B-37	Sequence 37, Appl
41	45	52.3	158	4	US-08-586-039B-39	Sequence 39, Appl
42	44	51.2	1321	2	US-08-317-310A-64	Sequence 64, Appl
43	43	50.0	12	3	US-08-742-243-50	Sequence 50, Appl
44	43	50.0	12	3	US-08-742-243-55	Sequence 55, Appl
45	41	47.7	149	1	US-08-469-427A-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-08-691-794-3
; Sequence 3, Application US/08691794
; Patent No. 6057428
; GENERAL INFORMATION:
; APPLICANT: Keytl, Bruce A.
; APPLICANT: Nguyen, Francis H.
; APPLICANT: Ferrera, Napoleone
; APPLICANT: Cunningham, Brian C.
; APPLICANT: Wells, James A.
; APPLICANT: Li, Bing
; TITLE OF INVENTION: Variants of Vascular Endothelial Cell
; TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESS: Flehr, Hohbach, Test, Albritton & Herbert
; STREET: Four Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/691,794
; FILING DATE: 02-AUG-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/002,827
; FILING DATE: 25-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/567,200
; FILING DATE: 05-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-63758/WHD
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown

TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-691-794-3

Query Match 89.5%; Score 77; DB 3; Length 109;
Best Local Similarity 100.0%; Pred. No. 7.6e-08;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITMOIMRIKPH 16
|||||

Db 72 EESNITMOIMRIKPH 86

RESULT 2
5194596-19
Patent No. 5194596
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
GROWTH FACTOR
NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO:19:
LENGTH: 121
5194596-19

Query Match 89.5%; Score 77; DB 6; Length 121;
Best Local Similarity 100.0%; Pred. No. 8.6e-08;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITMOIMRIKPH 16
|||||

Db 72 EESNITMOIMRIKPH 86

RESULT 3
5219739-20
Patent No. 5219739
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND
HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVEGF121
NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO:20:
LENGTH: 121
5219739-20

Query Match 89.5%; Score 77; DB 6; Length 121;
Best Local Similarity 100.0%; Pred. No. 8.6e-08;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITMOIMRIKPH 16
|||||

Db 72 EESNITMOIMRIKPH 86

RESULT 4
US-08-784-551C-2
Sequence 2, Application US/08784551C
Patent No. 6013780
GENERAL INFORMATION:
APPLICANT: Gera Neufeld
APPLICANT: Eli Keshet
APPLICANT: Israel Vlodavsky
APPLICANT: Zoya Poltorak
TITLE OF INVENTION: ANGIOGENIC FACTOR AND USE THEREOF
TITLE OF INVENTION: IN TREATING CARDIOVASCULAR DISEASE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Blank, Rome, Comisky & McCauley LLP
STREET: 900 17th Street, N.W.
STREET: Suite 1000
CITY: Washington, D.C.
STATE: N/A
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/784,551C
FILING DATE: January 21, 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Cohen, Herbert
REGISTRATION NUMBER: 25,109
REFERENCE/DOCKET NUMBER: 0274,005/P003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 463-7700
TELEFAX: (202) 463-6915
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-784-551C-2

Query Match 89.5%; Score 77; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITMOIMRIKPH 16
|||||

Db 72 EESNITMOIMRIKPH 86

RESULT 5
US-08-807-992B-1
Sequence 1, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
APPLICANT: Dvorak, Harold F
TITLE OF INVENTION: Immunological preparation for concurrent
specific binding to spatially exposed regions of vascular
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.

STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 147 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-1

Query Match 89.5%; Score 77; DB 3; Length 147;
Best Local Similarity 100.0%; Pred. No. 1.1e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITM01MR1KPH 16
|||||
DB 98 EESNITM01MR1KPH 112

RESULT 6
5194596-18
PATENT NO. 5194596
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
GROWTH FACTOR
NUMBER OF SEQUENCES: 32
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/450,883
FILING DATE: 14-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 18
LENGTH: 165
5194596-18

Query Match 89.5%; Score 77; DB 6; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITM01MR1KPH 16
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DB 72 EESNITM01MR1KPH 86

RESULT 7
5219739-19
PATENT NO. 5219739
APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
JOHN C.; MITCHELL, RICHARD L.
TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGEF120 AND
HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN

VAASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGEF120 AND HVEGF121
NUMBER OF SEQUENCES: 40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/559,041
FILING DATE: 27-JUL-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 450,883
FILING DATE: 14-DEC-1989
APPLICATION NUMBER: 387,545
FILING DATE: 27-JUL-1989
SEQ ID NO: 19
LENGTH: 165
5219739-19

Query Match 89.5%; Score 77; DB 6; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 EESNITM01MR1KPH 16
|||||
DB 72 EESNITM01MR1KPH 86

RESULT 8
US-08-567-200A-2
Sequence 2, Application US/08567200A
Patent No. 6020473
GENERAL INFORMATION:
APPLICANT: Keyt, Bruce A.
APPLICANT: Nguyen, Francis H.
APPLICANT: Ferrara, Napoleone
TITLE OF INVENTION: Variants of Vascular Endothelial Cell
TITLE OF INVENTION: Growth Factor, Their Uses, and Processes for their
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hombach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/567,200A
FILING DATE: 05-DEC-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-62326-1/MHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-567-200A-2

Query Match 89.5%; Score 77; DB 3; Length 191;
Best Local Similarity 100.0%; Pred. No. 1.5e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      2 EESNITMQIMRIKPH 16
          |||||
Db      98 EESNITMQIMRIKPH 112
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RESULT 9
 US-08-807-992B-2
 : Sequence 2, Application US/08807992B
 : Patent No. 6022541
 :
 : GENERAL INFORMATION:
 : APPLICANT: Senger, Donald R
 : APPLICANT: Dvorak, Harold F
 : TITLE OF INVENTION: Immunological preparation for concurrent
 : TITLE OF INVENTION: specific binding to spatially exposed regions of vascular
 : TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood
 : TITLE OF INVENTION: vessel
 : NUMBER OF SEQUENCES: 31
 :
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: David Praschker, Esq.
 : STREET: P. O. Box 5387
 : CITY: Magnolia
 : STATE: Massachusetts
 : COUNTRY: USA
 : ZIP: 01930
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
 :
 : COMPUTER: IBM PS/1
 : OPERATING SYSTEM: MS DOS
 : SOFTWARE: WordPerfect version 5.1
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/807,992B
 : FILING DATE: March 3, 1997
 : CLASSIFICATION: 424
 : ATTORNEY/AGENT INFORMATION:
 : NAME: David Praschker, Esq.
 : REGISTRATION NUMBER: 29,693
 : REFERENCE/DOCKET NUMBER: BIS-033
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (978) 525-3794
 : INFORMATION FOR SEQ ID NO: 2:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 191 amino acids
 : TYPE: amino acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : US-08-807-992B-2

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1 ADDRESS: Flehr, Hohbach, Test, Albritton & Herbert
2 STREET: Four Embarcadero Center, Suite 3400
3 CITY: San Francisco
4 STATE: California
5 COUNTRY: United States
6 ZIP: 94111-4187
7
8 COMPUTER READABLE FORM:
9 MEDIUM TYPE: Floppy disk
10 COMPUTER: IBM PC compatible
11 OPERATING SYSTEM: PC-DOS/MS-DOS
12 SOFTWARE: PatentIn Release #1.0, Version #1.30
13
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/08/691,794
16 FILING DATE: 02-AUG-1996
17 CLASSIFICATION: 435
18
19 PRIOR APPLICATION DATA:
20 APPLICATION NUMBER: US 60/002,827
21 FILING DATE: 25-AUG-1995
22
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER: US 08/567,200
25 FILING DATE: 05-DEC-1995
26
27 ATTORNEY/AGENT INFORMATION:
28 NAME: Dreger, Walter H.
29 REGISTRATION NUMBER: 24,190
30 REFERENCE/DOCKET NUMBER: A-63758/WMD
31 TELECOMMUNICATION INFORMATION:
32 TELEPHONE: (415) 781-1989
33 TELEFAX: (415) 398-3249
34
35 TELEX: 910 277299
36
37 INFORMATION FOR SEQ ID NO: 2:
38 SEQUENCE CHARACTERISTICS:
39 LENGTH: 191 amino acids
40 TYPE: amino acid
41 TOPOLOGY: linear
42
43 MOLECULE TYPE: protein
44
45 US-08-691-794-2

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RESULT 11
US-08-795-430-56
; Sequence 56, Application US/08795430
Patent No. 6130071
GENERAL INFORMATION:
APPLICANT: Alltalo, Karl
APPLICANT: Joukov, Vladimir
TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
TITLE OF INVENTION: Protein and Gene, Mutants Thereof, and Uses Thereof
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,430
FILING DATE:
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FI96/00427
FILING DATE: 01-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/671,573
FILING DATE: 28-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/601,132
FILING DATE: 14-FEB-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,895
FILING DATE: 12-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/510,133
FILING DATE: 01-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/340,011
FILING DATE: 14-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28967/33691
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-430-56

Query Match 89.5%; Score 77; DB 4; Length 191;
Best Local Similarity 100.0%; Pred. No. 1.5e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 EESNITMOIMRIKPH 16
|||||
DB 98 EESNITMOIMRIKPH 112
RESULT 12
5332671-4
PATENT NO. 5332671
APPLICANT: FERRARA, NAPOLEONE;LEUNG, DAVID W.H.
TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
GROWTH FACTOR AND DNA ENCODING SAME
NUMBER OF SEQUENCES: 15
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/389,722
FILING DATE: 04-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 369,424
FILING DATE: 21-JUN-1989
APPLICATION NUMBER: 351,117
FILING DATE: 12-MAY-1989
SEQ ID NO: 4;
LENGTH: 191
5332671-4

Query Match 89.5%; Score 77; DB 6; Length 191;
Best Local Similarity 100.0%; Pred. No. 1.5e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 EESNITMOIMRIKPH 16
|||||
DB 98 EESNITMOIMRIKPH 112

RESULT 13
5240848-11
PATENT NO. 5240848
APPLICANT: KECK, PAMELA J.;CONNOLLY, DANIEL T.;FEDER, JOSEPH
TITLE OF INVENTION: DNA SEQUENCES ENCODING HUMAN VASCULAR
PERMEABILITY FACTOR HAVING 189 AMINO ACIDS
NUMBER OF SEQUENCES: 11
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/337,037
FILING DATE: 10-JUL-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 274,061
FILING DATE: 21-NOV-1988
SEQ ID NO: 11;
LENGTH: 214
5240848-11

Query Match 89.5%; Score 77; DB 6; Length 214;
Best Local Similarity 100.0%; Pred. No. 1.7e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 EESNITMOIMRIKPH 16
|||||
DB 98 EESNITMOIMRIKPH 112

RESULT 14
US-08-807-992B-3
Sequence 3, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
APPLICANT: Dworak, Harold F
TITLE OF INVENTION: Immunological preparation for concurrent
specific binding to spatially exposed regions of vascular
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 MB storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 215 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-3

Query Match 89.5%; Score 77; DB 3; Length 215;
Best Local Similarity 100.0%; Pred. No. 1.7e-07;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 ESNITMOIMRIKPH 16
|||||
Db 98 ESNITMOIMRIKPH 112

RESULT 15

US-08-586-039B-49
; Sequence 49, Application US/08586039B
; Patent No. 6140073

GENERAL INFORMATION:

APPLICANT: Bayne, Marvin L.
APPLICANT: Thomas Jr., Kenneth A.
TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
TITLE OF INVENTION: SUBUNIT
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.
STREET: 126 E. Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: USA
ZIP: 07065-0900

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/586,039B
FILING DATE: 16-JAN-1996

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/124,259
FILING DATE: 20-SEP-1993
APPLICATION NUMBER: 07/676,436
FILING DATE: 28-MAR-1991
ATTORNEY/AGENT INFORMATION:

NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18361DA

TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3905
TELEFAX: (908) 594-4720

INFORMATION FOR SEQ ID NO: 49:

SEQUENCE CHARACTERISTICS:

LENGTH: 215 amino acids
TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-586-039B-49

Query Match

Best Local Similarity 89.5%; Score 77; DB 4; Length 215;
Pred. No. 1.7e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 ESNITMOIMRIKPH 16
|||||
Db 98 ESNITMOIMRIKPH 112

Search completed: September 13, 2001, 11:57:11
Job time: 209 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: September 13, 2001, 11:57:09 ; Search time 57.94 Seconds
(without alignments)
4.620 Million cell updates/sec

Title: US-09-266-543-3

Sequence: 1 CRTKPEKCDKPRR 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*

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2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
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4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
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6: /cgn2_6/ptodata/2/1aa/Backfilest1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	69	88.5	146	US-08-586-039B-33	Sequence 33, Appl
2	53	67.9	121	5194596-19	Patent No. 5194596
3	53	67.9	121	5219739-20	Patent No. 5219739
4	53	67.9	147	US-08-807-992B-1	Sequence 1, Appl1
5	51.5	66.0	120	5194596-9	Patent No. 5194596
6	51.5	66.0	120	5219739-9	Patent No. 5219739
7	40	51.3	12	US-08-742-243-70	Sequence 70, Appl
8	40	51.3	588	US-08-391-615-5	Sequence 5, Appl1
9	39	50.0	19	US-08-807-992B-7	Sequence 13, Appl1
10	39	50.0	19	US-08-807-992B-13	Sequence 16, Appl
11	39	50.0	19	US-08-807-992B-16	Sequence 30, Appl
12	39	50.0	19	US-08-807-992B-30	Patent No. 5194596
13	39	50.0	164	5194596-17	Patent No. 5219739
14	39	50.0	164	5219739-17	Patent No. 5219739
15	39	50.0	164	5219739-18	Patent No. 5194596
16	39	50.0	165	5194596-18	Patent No. 5219739
17	39	50.0	165	5219739-19	Patent No. 5194596
18	39	50.0	189	US-08-469-427A-15	Sequence 15, Appl
19	39	50.0	190	US-08-569-063C-20	Sequence 20, Appl
20	39	50.0	190	US-08-586-039B-31	Sequence 31, Appl
21	39	50.0	190	5332671-3	Patent No. 5332671
22	39	50.0	191	US-08-567-200A-2	Sequence 2, Appl1
23	39	50.0	191	US-08-807-992B-2	Sequence 2, Appl1
24	39	50.0	191	US-08-691-794-2	Sequence 56, Appl1
25	39	50.0	191	US-08-795-430-56	Patent No. 5332671
26	39	50.0	191	5332671-4	Sequence 35, Appl
27	39	50.0	214	US-08-586-039B-35	

28	39	50.0	214	6	5240848-11	Patent No. 5240848
29	39	50.0	215	3	US-08-807-992B-3	Sequence 3, Appl1
30	39	50.0	215	4	US-08-586-039B-49	Sequence 49, Appl
31	39	50.0	215	6	5219739-22	Patent No. 5219739
32	39	50.0	215	6	5240848-7	Patent No. 5240848
33	39	50.0	231	5	PCT-US96-09001-10	Sequence 10, Appl
34	39	50.0	232	2	US-08-999-811-7	Sequence 7, Appl1
35	39	50.0	232	2	US-08-824-996-9	Sequence 9, Appl1
36	39	50.0	232	3	US-08-807-992B-4	Sequence 4, Appl1
37	39	50.0	232	3	US-09-042-105-7	Sequence 7, Appl1
38	39	50.0	559	1	US-08-320-559-31	Sequence 31, Appl
39	39	50.0	559	3	US-08-545-860D-31	Sequence 31, Appl
40	39	50.0	559	5	PCT-US94-04496-31	Sequence 2, Appl1
41	39	50.0	2813	3	US-08-896-449A-2	Sequence 2, Appl1
42	39	50.0	2813	3	US-09-132-652-2	Sequence 10, Appl
43	37	47.4	6	3	US-08-807-992B-10	Sequence 33, Appl
44	37	47.4	22	1	US-07-664-989B-33	Sequence 2, Appl1
45	37	47.4	145	3	US-08-784-551C-2	

ALIGNMENTS

RESULT 1
US-08-586-039B-33
; Sequence 33, Application US/08586039B
; Patent No. 6140073
; GENERAL INFORMATION:
; APPLICANT: Bayne, Marvin L.
; TITLE OF INVENTION: VASCULAR ENDOTHELIAL CELL GROWTH FACTOR C
; TITLE OF INVENTION: SUBUNIT
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: 126 E. Lincoln Avenue
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/586,039B
; FILING DATE: 16-JAN-1996
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/124,259
; FILING DATE: 20-SEP-1993
; APPLICATION NUMBER: 07/676,436
; FILING DATE: 28-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Hand, J. Mark
; REGISTRATION NUMBER: 36,545
; REFERENCE/DOCKET NUMBER: 18361DA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3905
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 146 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-586-039B-33

Query Match 88.5%; Score 69; DB 4; Length 146;
Best Local Similarity 100.0%; Pred. No. 0.0015;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 RTPEKCDKPRR 13
Db 135 RTPEKCDKPRR 146

RESULT 2
5194596-19
; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
; C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 19:
; LENGTH: 121
5194596-19

Query Match 67.9%; Score 53; DB 6; Length 121;
Best Local Similarity 75.0%; Pred. No. 0.29;
Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 RTPEKCDKPRR 13
Db 110 RAROEKCDKPRR 121

RESULT 3
5219739-20
; Patent No. 5219739
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND
; HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVEGF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 20:
; LENGTH: 121
5219739-20

Query Match 67.9%; Score 53; DB 6; Length 121;
Best Local Similarity 75.0%; Pred. No. 0.29;
Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 RTPEKCDKPRR 13
Db 110 RAROEKCDKPRR 121

RESULT 4
US-08-807-992B-1
; Sequence 1, Application US/08807992B
; Patent No. 6022541
; GENERAL INFORMATION:
; APPLICANT: Senger, Donald R
; APPLICANT: Dvorak, Harold F

;; TITLE OF INVENTION: Immunological preparation for concurrent
;; TITLE OF INVENTION: Specific binding to spatially exposed regions of vascular
;; TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo
;; TITLE OF INVENTION: vessel
;; NUMBER OF SEQUENCES: 31
;; CORRESPONDENCE ADDRESSES:
;; ADDRESSEE: David Prashker, Esq.
;; STREET: P.O. Box 5387
;; CITY: Magnolia
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 01930
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
;; OPERATING SYSTEM: MS DOS
;; SOFTWARE: WordPerfect version 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/807,992B
;; FILING DATE: March 3, 1997
;; CLASSIFICATION: 424
;; ATTORNEY/AGENT INFORMATION:
;; NAME: David Prashker, Esq.
;; REGISTRATION NUMBER: 29,693
;; REFERENCE/DOCKET NUMBER: BIS-033
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (978) 525-3794
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 147 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-807-992B-1

Query Match 67.9%; Score 53; DB 3; Length 147;
Best Local Similarity 75.0%; Pred. No. 0.35;
Matches 9; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 RTPEKCDKPRR 13
Db 136 RAROEKCDKPRR 147

RESULT 5
5194596-9
; Patent No. 5194596
; APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
; C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
; GROWTH FACTOR
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/450,883
; FILING DATE: 14-DEC-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 9:
; LENGTH: 120
5194596-9

Query Match 66.0%; Score 51.5; DB 6; Length 120;
Best Local Similarity 61.1%; Pred. No. 0.47;
Matches 11; Conservative 0; Mismatches 2; Indels 5; Gaps 1;

QY 1 CRTK-----PEKCDKPRR 13
Db 103 CRPKDKAROEKCDKPRR 120

RESULT 6
5219739-9
; Patent No. 5219739
; APPLICANT: FISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDES,
; JOHN C.; MITCHELL, RICHARD L.
; TITLE OF INVENTION: DNA SEQUENCES ENCODING BVESGF120 AND
; HVESGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
; VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVESGF120 AND HVESGF121
; NUMBER OF SEQUENCES: 40
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/559,041
; FILING DATE: 27-JUL-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 450,883
; FILING DATE: 14-DEC-1989
; APPLICATION NUMBER: 387,545
; FILING DATE: 27-JUL-1989
; SEQ ID NO: 9:
; LENGTH: 120
5219739-9

Query Match 66.0%; Score 51.5; DB 6; Length 120;
Best Local Similarity 61.1%; Pred. No. 0.47;
Matches 11; Conservative 0; Mismatches 2; Indels 5; Gaps 1;

OY 1 CRTK-----PECKDKPRR 13
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Db 103 CRPKDKAROECKDKPRR 120

RESULT 7
US-08-742-243-70
; Sequence 70, Application US/08/742,243A
; Patent No. 6024955
; GENERAL INFORMATION:
; APPLICANT: Asano, Makoto
; APPLICANT: Yukita, Ayako
; APPLICANT: Hanatani, Mitsuya
; APPLICANT: Matsumoto, Tomoe
; APPLICANT: Okamoto, Masaji
; APPLICANT: Suzuki, Hideo
; TITLE OF INVENTION: Peptides And Monoclonal Antibodies
; FILE REFERENCE: 07898/005001
; CURRENT APPLICATION NUMBER: US/08/742,243A
; CURRENT FILING DATE: 1996-10-31
; EARLIER APPLICATION NUMBER: 308184/1995
; EARLIER FILING DATE: 1995-11-01
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 70
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthesized
US-08-742-243-70

Query Match 51.3%; Score 40; DB 3; Length 12;
Best Local Similarity 75.0%; Pred. No. 2.7;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 6 EKCDKPRR 13
:|||||
Db 5 QECKDKPRR 12

RESULT 8
US-08-391-615-5
; Sequence 5, Application US/08391615
; Patent No. 5550054

; GENERAL INFORMATION:
; APPLICANT: Witte, Owen
; APPLICANT: Tsukada, Satoshi
; APPLICANT: Saitan, Douglas
; APPLICANT: Rawlings, David
; TITLE OF INVENTION: HEMATOPOIETIC RESTRICTED TYROSINE KINASE
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; City: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/391,615
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/006,449
; FILING DATE: 21-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Rowland, Bertam I
; REGISTRATION NUMBER: 20,015
; REFERENCE/DOCKET NUMBER: A-57583-1/BIR UCLA 232-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299 FHT UR
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 588 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-391-615-5

Query Match 51.3%; Score 40; DB 1; Length 588;
Best Local Similarity 54.5%; Pred. No. 1e+02;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

OY 1 CRTKPECKDKP 11
||| |||
Db 301 CRUKSSPCDRP 311

RESULT 9
US-08-807-992B-7
; Sequence 7, Application US/08807992B
; Patent No. 6022541
; GENERAL INFORMATION:
; APPLICANT: Senger, Donald R
; APPLICANT: Dvorak, Harold F
; TITLE OF INVENTION: Immunological preparation for concurrent
; TITLE OF INVENTION: specific binding to spatially exposed regions of vascular
; TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David Prashker, Esq.
; STREET: P. O. Box 5387
; CITY: Magnolia
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 01930

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-7

Query Match 50.0%; Score 39; DB 3; Length 19;
Best Local Similarity 85.7%; Pred. No. 5.8;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
:|||||
DB 13 RCDKPRR 19

RESULT 10
US-08-807-992B-13
Sequence 13, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
TITLE OF INVENTION: Immunological preparation for concurrent
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood
TITLE OF INVENTION: vessel
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-807-992B-13

Query Match 50.0%; Score 39; DB 3; Length 19;
Best Local Similarity 85.7%; Pred. No. 5.8;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
:|||||
DB 13 RCDKPRR 19

RESULT 11
US-08-807-992B-16
Sequence 16, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
TITLE OF INVENTION: Immunological preparation for concurrent
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular
TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blo
TITLE OF INVENTION: vessel
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
CITY: Magnolia
STATE: Massachusetts
COUNTRY: USA
ZIP: 01930
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
COMPUTER: IBM PS/1
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/807,992B
FILING DATE: March 3, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-033
TELECOMMUNICATION INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-807-992B-16

Query Match 50.0%; Score 39; DB 3; Length 19;
Best Local Similarity 85.7%; Pred. No. 5.8;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
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DB 13 RCDKPRR 19

RESULT 12
US-08-807-992B-30
Sequence 30, Application US/08807992B
Patent No. 6022541
GENERAL INFORMATION:
APPLICANT: Senger, Donald R
TITLE OF INVENTION: Immunological preparation for concurrent
TITLE OF INVENTION: specific binding to spatially exposed regions of vascular

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/ TITLE OF INVENTION: permeability factor bound in-vivo to a tumor associated blood
/ TITLE OF INVENTION: vessel
/ NUMBER OF SEQUENCES: 31
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: David Prashker, Esq.
/ STREET: P.O. Box 5387
/ CITY: Magnolia
/ STATE: Massachusetts
/ COUNTRY: USA
/ ZIP: 01930
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: diskette, 3.50 inch, 1.40 Mb storage
/ COMPUTER: IBM PS/1
/ OPERATING SYSTEM: MS DOS
/ SOFTWARE: Wordperfect version 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/807,992B
/ FILING DATE: March 3, 1997
/ CLASSIFICATION: 424
/ ATTORNEY/AGENT INFORMATION:
/ NAME: David Prashker, Esq.
/ REGISTRATION NUMBER: 29,693
/ REFERENCE/DOCKET NUMBER: BIS-033
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (978) 525-3794
/ INFORMATION FOR SEQ ID NO: 30:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 19 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FRAGMENT TYPE: Internal
/ US-08-807-992B-30

Query Match 50.0%; Score 39; DB 3; Length 19;
Best Local Similarity 85.7%; Pred. No. 5.8;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
Db 13 RCDKPRR 19

RESULT 13
5194596-17
/ Patent No. 5194596
/ APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES, JOHN
/ C.; MITCHELL, RICHARD L.
/ TITLE OF INVENTION: PRODUCTION OF VASCULAR ENDOTHELIAL CELL
/ GROWTH FACTOR
/ NUMBER OF SEQUENCES: 32
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/450,883
/ FILING DATE: 14-DEC-1989
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 387,545
/ FILING DATE: 27-JUL-1989
/ SEQ ID NO: 17;
/ LENGTH: 164
5194596-17

Query Match 50.0%; Score 39; DB 6; Length 164;
Best Local Similarity 85.7%; Pred. No. 43;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
Db 158 RCDKPRR 164
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RESULT 14
5219739-17
/ Patent No. 5219739
/ APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
/ JOHN C.; MITCHELL, RICHARD L.
/ TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGFI20 AND
/ HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
/ VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGFI20 AND HVEGF121
/ NUMBER OF SEQUENCES: 40
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/559,041
/ FILING DATE: 27-JUL-1990
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 450,883
/ FILING DATE: 14-DEC-1989
/ APPLICATION NUMBER: 387,545
/ FILING DATE: 27-JUL-1989
/ SEQ ID NO: 17;
/ LENGTH: 164
5219739-17
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Query Match 50.0%; Score 39; DB 6; Length 164;
Best Local Similarity 85.7%; Pred. No. 43;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
Db 158 RCDKPRR 164
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RESULT 15
5219739-18
/ Patent No. 5219739
/ APPLICANT: TISCHER, EDMUND G.; ABRAHAM, JUDITH A.; FIDDES,
/ JOHN C.; MITCHELL, RICHARD L.
/ TITLE OF INVENTION: DNA SEQUENCES ENCODING BVGFI20 AND
/ HVEGF 121 AND METHODS FOR THE PRODUCTION OF BOVINE AND HUMAN
/ VASCULAR ENDOTHELIAL CELL GROWTH FACTORS, BVGFI20 AND HVEGF121
/ NUMBER OF SEQUENCES: 40
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/559,041
/ FILING DATE: 27-JUL-1990
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 450,883
/ FILING DATE: 14-DEC-1989
/ APPLICATION NUMBER: 387,545
/ FILING DATE: 27-JUL-1989
/ SEQ ID NO: 18;
/ LENGTH: 164
5219739-18
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Query Match 50.0%; Score 39; DB 6; Length 164;
Best Local Similarity 85.7%; Pred. No. 43;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 KCDKPRR 13
Db 158 RCDKPRR 164
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Search completed: September 13, 2001, 11:57:10
Job time: 208 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 13, 2001, 11:53:42 ; Search time 57.94 Seconds
(without alignments)
15.992 Million cell updates/sec

Title: US-09-266-543-1

Perfect score: 239
Sequence: 1 YCKNGGFRLRHDPGRVDV.....PHIKLOAEKGVSIKGV 45

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCtus.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/Backfilest.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	239	100.0	132 1 US-08-100-744-4	Sequence 4, Appli
2	239	100.0	132 1 US-08-284-784-4	Sequence 4, Appli
3	239	100.0	132 2 US-08-834-811-4	Sequence 4, Appli
4	239	100.0	140 5 PCT-US90-06962-1	Sequence 1, Appli
5	239	100.0	145 1 US-07-830-330-1	Sequence 1, Appli
6	239	100.0	145 1 US-08-187-780-3	Sequence 3, Appli
7	239	100.0	145 2 US-08-478-485-3	Sequence 3, Appli
8	239	100.0	146 2 US-08-231-894A-11	Sequence 11, Appli
9	239	100.0	146 2 US-08-231-894A-12	Sequence 12, Appli
10	239	100.0	146 2 US-08-231-894A-13	Sequence 13, Appli
11	239	100.0	146 2 US-08-231-894A-14	Sequence 14, Appli
12	239	100.0	146 2 US-08-231-894A-15	Sequence 15, Appli
13	239	100.0	146 3 US-09-105-678A-49	Sequence 49, Appli
14	239	100.0	146 6 5464943-6	Patent No. 5464943
15	239	100.0	146 6 5464943-8	Patent No. 5464943
16	239	100.0	146 6 5464943-10	Patent No. 5464943
17	239	100.0	146 6 5464943-12	Patent No. 5464943
18	239	100.0	146 6 5464943-14	Patent No. 5464943
19	239	100.0	146 6 5464943-25	Patent No. 5464943
20	239	100.0	146 6 5464943-26	Patent No. 5464943
21	239	100.0	147 6 5175147-8	Patent No. 5175147
22	239	100.0	147 6 5314872-1	Patent No. 5314872
23	239	100.0	150 1 US-08-441-629-8	Sequence 8, Appli
24	239	100.0	150 3 US-08-776-207-8	Sequence 8, Appli
25	239	100.0	150 5 PCT-US95-09172-8	Sequence 8, Appli
26	239	100.0	153 3 US-08-325-186-2	Sequence 2, Appli
27	239	100.0	154 2 US-08-438-439C-24	Sequence 24, Appli

28	239	100.0	154 3 US-08-325-186-1	Sequence 1, Appli
29	239	100.0	154 5 PCT-US91-02186-6	Sequence 6, Appli
30	239	100.0	155 1 US-07-959-369-6	Sequence 6, Appli
31	239	100.0	155 1 US-07-959-369-7	Sequence 7, Appli
32	239	100.0	155 1 US-08-023-757-2	Sequence 2, Appli
33	239	100.0	155 1 US-08-023-757-4	Sequence 4, Appli
34	239	100.0	155 1 US-07-842-177A-1	Sequence 1, Appli
35	239	100.0	155 1 US-08-177-502-2	Sequence 2, Appli
36	239	100.0	155 1 US-08-177-502-4	Sequence 4, Appli
37	239	100.0	155 1 US-08-439-725A-10	Sequence 10, Appli
38	239	100.0	155 1 US-08-325-632-1	Sequence 10, Appli
39	239	100.0	155 1 US-08-462-169B-10	Sequence 10, Appli
40	239	100.0	155 2 US-08-867-471-10	Sequence 10, Appli
41	239	100.0	155 2 US-08-438-439C-14	Sequence 14, Appli
42	239	100.0	155 2 US-08-951-822-28	Sequence 28, Appli
43	239	100.0	155 3 US-09-103-079-10	Sequence 10, Appli
44	239	100.0	155 3 US-08-705-245-6	Sequence 6, Appli
45	239	100.0	155 3 US-08-718-904-11	Sequence 11, Appli

ALIGNMENTS

RESULT 1
US-08-100-744-4
; Sequence 4, Application US/08100744
; Patent No. 5563046
; GENERAL INFORMATION:
; APPLICANT: MASCARENHAS, DESMOND
; APPLICANT: ZHANG, SUNNY
; APPLICANT: OLSON, PAMELA
; APPLICANT: OLSEN, DAVID
; APPLICANT: CARRILLO, PEDRO A.
; TITLE OF INVENTION: POLYPEPTIDE FUSIONS TO
; TITLE OF INVENTION: INTERLEUKIN-1-LIKE POLYPEPTIDES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/100,744
; FILING DATE: 02-AUG-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LUTHER, BARBARA J.
; REGISTRATION NUMBER: 33,954
; REFERENCE/DOCKET NUMBER: 22095-20275.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 132 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-100-744-4

Query Match 100.0%; Score 239; DB 1; Length 132;
Best Local Similarity 100.0%; Pred. No. 9.6e-28;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

APPLICATION NUMBER: US 07/443,939
FILING DATE: 30-NOV-1989
ATTORNEY/AGENT INFORMATION:
NAME: Schumann, James J.
REGISTRATION NUMBER: 20856
REFERENCE/DOCKET NUMBER: 50742
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)552-1311
TELEFAX: (619)552-0095
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US90-06962-1

Query Match 100.0%; Score 239; DB 5; Length 140;
Best Local Similarity 100.0%; Pred. No. 1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKNGGFRLRHPDGRVGDVREKSDPHIKLQLAERGVYSIKGV 45
DB 35 YKNGGFRLRHPDGRVGDVREKSDPHIKLQLAERGVYSIKGV 79

RESULT 5
US-07-830-330-1
Sequence 1, Application US/07830330
Patent No. 5288704
GENERAL INFORMATION:
APPLICANT: Ungheri, Domenico
APPLICANT: Garofano, Luisa
APPLICANT: Battistini, Carlo
APPLICANT: Carminati, Paolo
APPLICANT: Mazue, Guy
TITLE OF INVENTION: SYNERGISTIC COMPOSITION COMPRISING A
TITLE OF INVENTION: FIBROBLAST GROWTH FACTOR AND A SULFATED POLYSACCHARIDE,
TITLE OF INVENTION: FOR USE AS ANTI-VIRAL AGENT
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,
ADDRESSSEE: P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/830,330
FILING DATE: 19920420
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5288704man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 769-230-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens

US-07-830-330-1

Query Match 100.0%; Score 239; DB 1; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YKNGGFRLRHPDGRVGDVREKSDPHIKLQLAERGVYSIKGV 45
DB 24 YKNGGFRLRHPDGRVGDVREKSDPHIKLQLAERGVYSIKGV 68

RESULT 6
US-08-187-780-3
Sequence 3, Application US/08187780
Patent No. 5459250
GENERAL INFORMATION:
APPLICANT: CLAUDIO BASILICO
APPLICANT: DANIELA TALARICO
TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSSEE: Darby & Darby P.C.
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch,
MEDIUM TYPE: 360 kb storage
COMPUTER: IBM or IBM-compatible
OPERATING SYSTEM: PC/MS-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/187,780
FILING DATE: January 25, 1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/901,705
FILING DATE: June 22, 1992
APPLICATION NUMBER: 07/806,771
FILING DATE: December 6, 1991
APPLICATION NUMBER: 07/177,506
FILING DATE: April 4, 1988
APPLICATION NUMBER: 07/062,925
FILING DATE: June 16, 1987
ATTORNEY/AGENT INFORMATION:
NAME: Howard M. Frankfort
REGISTRATION NUMBER: 32,613
REFERENCE/DOCKET NUMBER: 5986/13586-US3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 145
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: This sequence,
OTHER INFORMATION: corresponding to bovine basic fibroblast
OTHER INFORMATION: growth factor, can be found in Table 1,
OTHER INFORMATION: page 9, lines 9, 14, and 19, in the
OTHER INFORMATION: application, as filed.
PUBLICATION INFORMATION:
AUTHORS:

;; TITLE:
;; JOURNAL:
;; VOLUME:
;; ISSUE:
;; PAGES:
;; DATE:
;; DOCUMENT NUMBER:
;; FILING DATE:
;; PUBLICATION DATE:
;; RELEVANT RESIDUES IN SEQ ID NO: 1-145
US-08-187-780-3

Query Match 100.0%; Score 239; DB 1; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YCKNGGFLLRHDPGRVGVREKSPHKLQLQAEERGVVSIKGV 45
DB 24 YCKNGGFLLRHDPGRVGVREKSPHKLQLQAEERGVVSIKGV 68

RESULT 7
US-08-478-485-3
; Sequence 3, Application US/08478485
; Patent No. 5883071
; GENERAL INFORMATION:
; APPLICANT: CLAUDIO BASILICO
; APPLICANT: DANIELA TALARICO
; TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby P.C.
; STREET: 805 Third Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Diskette, 3+ Inch,
; MEDIUM TYPE: 1.44 MB storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC/MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,485
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/187,780
; FILING DATE: January 25, 1994
; APPLICATION NUMBER: 07/901,705
; FILING DATE: June 22, 1992
; APPLICATION NUMBER: 07/806,771
; FILING DATE: December 6, 1991
; APPLICATION NUMBER: 07/177,506
; FILING DATE: April 4, 1988
; APPLICATION NUMBER: 07/062,925
; FILING DATE: June 16, 1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Joseph R. Robinson
; REGISTRATION NUMBER: 33,448
; REFERENCE/DOCKET NUMBER: 5986/13586-US6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 527-7700
; TELEFAX: (212) 753-6237
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:

;; DESCRIPTION: Protein
;; FEATURE:
;; NAME/KEY:
;; LOCATION:
;; IDENTIFICATION METHOD:
;; OTHER INFORMATION: This sequence,
;; OTHER INFORMATION: corresponding to bovine basic fibroblast
;; OTHER INFORMATION: growth factor, can be found in Table 1,
;; OTHER INFORMATION: page 9, lines 9, 14, and 19, in the
;; OTHER INFORMATION: application, as filed.
;; PUBLICATION INFORMATION:
;; AUTHORS:
;; TITLE:
;; JOURNAL:
;; VOLUME:
;; ISSUE:
;; PAGES:
;; DATE:
;; DOCUMENT NUMBER:
;; FILING DATE:
;; PUBLICATION DATE:
;; RELEVANT RESIDUES IN SEQ ID NO: 1-145
US-08-478-485-3

Query Match 100.0%; Score 239; DB 2; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YCKNGGFLLRHDPGRVGVREKSPHKLQLQAEERGVVSIKGV 45
DB 24 YCKNGGFLLRHDPGRVGVREKSPHKLQLQAEERGVVSIKGV 68

RESULT 8
US-08-231-894A-11
; Sequence 11, Application US/08231894A
; Patent No. 5851990
; GENERAL INFORMATION:
; APPLICANT: FUJISHIMA, AKIRA
; APPLICANT: EUKUDA, TSUNEHIKO
; TITLE OF INVENTION: BFGF MOTELIN AND ITS PRODUCTION
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS
; ADDRESSEE: & CUSHMAN
; STREET: 130 WATER STREET
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: US
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,894A
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/873907
; FILING DATE: 24-APR-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 097655-1991
; FILING DATE: 26-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 066381-1992
; FILING DATE: 24-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: RESNICK, DAVID S.
; REGISTRATION NUMBER: 34235

REFERENCE/DOCKET NUMBER: 41769-FWC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-231-894A-11

Query Match 100.0%; Score 239; DB 2; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 YCKNGFRLRHPDGRVGVREKSPHKLQLAERGVSTKGV 45
Db 24 YCKNGFRLRHPDGRVGVREKSPHKLQLAERGVSTKGV 68

RESULT 9
US-08-231-894A-12
Sequence 12, Application US/08231894A
Patent No. 5851990
GENERAL INFORMATION:
APPLICANT: FUJISHIMA, AKIRA
APPLICANT: FUKUDA, TSUNEHIKO
TITLE OF INVENTION: BRGF MUTEIN AND ITS PRODUCTION
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSES:
ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS
STREET: 130 WATER STREET
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: US
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231, 894A
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/873907
FILING DATE: 24-APR-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 097655-1991
FILING DATE: 26-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 066381-1992
FILING DATE: 24-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: RESNICK, DAVID S.
REGISTRATION NUMBER: 34235
REFERENCE/DOCKET NUMBER: 41769-FWC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-231-894A-12

Query Match 100.0%; Score 239; DB 2; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 YCKNGFRLRHPDGRVGVREKSPHKLQLAERGVSTKGV 45
Db 24 YCKNGFRLRHPDGRVGVREKSPHKLQLAERGVSTKGV 68

RESULT 10
US-08-231-894A-13
Sequence 13, Application US/08231894A
Patent No. 3851990
GENERAL INFORMATION:
APPLICANT: FUJISHIMA, AKIRA
APPLICANT: FUKUDA, TSUNEHIKO
TITLE OF INVENTION: BRGF MUTEIN AND ITS PRODUCTION
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESSES:
ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS
STREET: 130 WATER STREET
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: US
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231, 894A
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/873907
FILING DATE: 24-APR-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 097655-1991
FILING DATE: 26-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 066381-1992
FILING DATE: 24-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: RESNICK, DAVID S.
REGISTRATION NUMBER: 34235
REFERENCE/DOCKET NUMBER: 41769-FWC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal

ORIGINAL SOURCE:
US-08-231-894A-13

Query Match 100.0%; Score 239; DB 2; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVGVREKSDPHIKLQLOAERGVSINKV 45
Db 24 YCKNGFFLRHPDGRVGVREKSDPHIKLQLOAERGVSINKV 68

RESULT 11
US-08-231-894A-14
Sequence 14, Application US/08231894A
Patent No. 5851990

GENERAL INFORMATION:
APPLICANT: FUJISHIMA, AKIRA
APPLICANT: FUKUDA, TSUNEHIKO
TITLE OF INVENTION: BRGF MUTEIN AND ITS PRODUCTION
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS
ADDRESS: 6 CUSHMAN
STREET: 130 WATER STREET
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: US
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,894A
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/873907
FILING DATE: 24-APR-1992

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 097655-1991
FILING DATE: 26-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 066381-1992
FILING DATE: 24-MAR-1992

ATTORNEY/AGENT INFORMATION:
NAME: RESNICK, DAVID S.
REGISTRATION NUMBER: 34235
REFERENCE/DOCKET NUMBER: 41769-FWC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440

INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-231-894A-14

Query Match 100.0%; Score 239; DB 2; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVGVREKSDPHIKLQLOAERGVSINKV 45
Db 24 YCKNGFFLRHPDGRVGVREKSDPHIKLQLOAERGVSINKV 68

RESULT 12
US-08-231-894A-15
Sequence 15, Application US/08231894A
Patent No. 5851990

GENERAL INFORMATION:
APPLICANT: FUJISHIMA, AKIRA
APPLICANT: FUKUDA, TSUNEHIKO
TITLE OF INVENTION: BRGF MUTEIN AND ITS PRODUCTION
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS
ADDRESS: 6 CUSHMAN
STREET: 130 WATER STREET
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: US
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,894A
FILING DATE: 22-APR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/873907
FILING DATE: 24-APR-1992

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 097655-1991
FILING DATE: 26-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 066381-1992
FILING DATE: 24-MAR-1992

ATTORNEY/AGENT INFORMATION:
NAME: RESNICK, DAVID S.
REGISTRATION NUMBER: 34235
REFERENCE/DOCKET NUMBER: 41769-FWC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 523-3400
TELEFAX: (617) 523-6440

INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-231-894A-15

Query Match 100.0%; Score 239; DB 2; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHPDGRVGVREKSDPHIKLQLOAERGVSINKV 45
Db 24 YCKNGFFLRHPDGRVGVREKSDPHIKLQLOAERGVSINKV 68

RESULT 13

US-09-105-678A-49
; Sequence 49, Application US/09105678A
; Patent No. 6103882
; GENERAL INFORMATION:
; APPLICANT: Suenaga, Masato
; APPLICANT: Moriya, Takeo
; APPLICANT: Tanaka, Yoko
; APPLICANT: Nishimura, Osamu
; TITLE OF INVENTION: METHOD OF PRODUCING A 19P2 LIGAND
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/105,678A
; FILING DATE: 26-JUN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 172118/1997
; FILING DATE: 27-JUN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Conlin, David G.
; REGISTRATION NUMBER: 27,026
; REFERENCE/DOCKET NUMBER: 48466-342
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 146 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-105-678A-49

Query Match 100.0%; Score 239; DB 3; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHDPGRVDSVREKSPHKLQLOAERGVVSIGV 45
|||||
Db 24 YCKNGFFLRHDPGRVDSVREKSPHKLQLOAERGVVSIGV 68

RESULT 14
5464943-6
; Patent No. 5464943
; APPLICANT: SENOO, MASAHARU; SASADA, REIKO; IGARASHI, KOICHI
; TITLE OF INVENTION: DNA ENCODING GLYCOSYLATED FGF AND
; PRODUCTION THEREOF
; NUMBER OF SEQUENCES: 42
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/275,635
; FILING DATE: 15-JUL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 7,089
; FILING DATE: 19-JAN-1993
; APPLICATION NUMBER: 511,469
; FILING DATE: 20-APR-1990
; SEQ ID NO: 6;
; LENGTH: 146
5464943-6

Query Match 100.0%; Score 239; DB 6; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHDPGRVDSVREKSPHKLQLOAERGVVSIGV 45
|||||
Db 24 YCKNGFFLRHDPGRVDSVREKSPHKLQLOAERGVVSIGV 68

RESULT 15
5464943-8
; Patent No. 5464943
; APPLICANT: SENOO, MASAHARU; SASADA, REIKO; IGARASHI, KOICHI
; TITLE OF INVENTION: DNA ENCODING GLYCOSYLATED FGF AND
; PRODUCTION THEREOF
; NUMBER OF SEQUENCES: 42
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/275,635
; FILING DATE: 15-JUL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 7,089
; FILING DATE: 19-JAN-1993
; APPLICATION NUMBER: 511,469
; FILING DATE: 20-APR-1990
; SEQ ID NO: 8;
; LENGTH: 146
5464943-8

Query Match 100.0%; Score 239; DB 6; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.1e-27;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 YCKNGFFLRHDPGRVDSVREKSPHKLQLOAERGVVSIGV 45
|||||
Db 24 YCKNGFFLRHDPGRVDSVREKSPHKLQLOAERGVVSIGV 68

Search completed: September 13, 2001, 11:57:09
Job time: 207 sec

